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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 16:23:02 : Search time 68.2713 Seconds  
(without alignments)  
5446.173 Million cell updates/sec

Title: US-09-477-082-1  
Perfect score: 670  
Sequence: 1 aagcgctccaagacagcatt.....ggggtaataaagcgcttt 670

Scoring table: OLIGO\_NUC  
Gapop 60.0 , Gapext 60.0

Searched: 682709 seqs, 277475446 residues

Word size : 0

Total number of hits satisfying chosen parameters: 839752

Minimum DB seq length: 0  
Maximum DB seq length: 50

Post-processing: Listing first 45 summaries

Database : Issued Patents\_NA.\*  
1: /cgn2\_6/ptodata/2/ina/5A\_COMB.seq:\*  
2: /cgn2\_6/ptodata/2/ina/5B\_COMB.seq:\*  
3: /cgn2\_6/ptodata/2/ina/6A\_COMB.seq:\*  
4: /cgn2\_6/ptodata/2/ina/6B\_COMB.seq:\*  
5: /cgn2\_6/ptodata/2/ina/PCTUS\_COMB.seq:\*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	15	2.2	19	3	US-08-860-038-5
2	15	2.2	19	4	US-09-580-923-5
3	15	2.2	20	4	US-09-844-521-54
4	15	2.2	24	2	US-09-122-230-12
5	15	2.2	29	4	US-09-559-308-15
6	15	2.2	36	4	US-09-463-380-3
7	15	2.2	36	4	US-09-985-357A-3
8	15	2.2	36	4	US-09-113-692B-3
9	15	2.2	36	4	US-09-607-277A-3
10	15	2.2	36	4	US-09-194-981E-51
11	15	2.2	42	2	US-08-422-978-6899
12	14	2.1	18	4	US-08-940-250-15
13	14	2.1	20	3	US-08-940-250-15
14	14	2.1	20	4	US-09-517-467B-145
15	14	2.1	21	4	US-09-422-978-8188
16	14	2.1	21	2	US-08-327-832-10
17	14	2.1	23	2	US-08-828-584-10
18	14	2.1	29	4	US-09-559-308-18
19	14	2.1	33	3	US-08-605-430-82
20	14	2.1	37	1	US-08-424-663-1
21	14	2.1	37	2	US-08-872-446-1
22	14	2.1	37	4	US-09-280-270A-1
23	14	2.1	41	3	US-08-605-430-78
24	14	2.1	45	2	US-08-872-448-9
25	14	2.1	45	4	US-09-280-270A-9
26	14	2.1	47	4	US-09-422-978-3044
27	14	2.1	48	2	US-08-872-446-12

C 28	14	2.1	48	4	US-09-280-270A-12	Sequence 12, Appl
C 29	13	1.9	17	1	US-08-373-124A-1082	Sequence 1082, Ap
C 30	13	1.9	17	1	US-08-373-124A-1084	Sequence 1084, Ap
C 31	13	1.9	17	1	US-08-435-628-1084	Sequence 1082, Ap
C 32	13	1.9	17	1	US-08-435-628-1084	Sequence 1084, Ap
C 33	13	1.9	18	1	US-08-363-585-112	Sequence 112, App
C 34	13	1.9	18	4	US-09-422-978-5793	Sequence 5793, Ap
C 35	13	1.9	19	2	US-08-773-251-20	Sequence 20, Appl
C 36	13	1.9	19	2	US-08-890-980-52	Sequence 52, Appl
C 37	13	1.9	19	3	US-08-890-979-52	Sequence 52, Appl
C 38	13	1.9	19	3	US-09-032-894-52	Sequence 52, Appl
C 39	13	1.9	19	3	US-09-031-626-52	Sequence 52, Appl
C 40	13	1.9	20	2	US-09-134-566-2	Sequence 2, Appl
C 41	13	1.9	20	3	US-09-289-267-124	Sequence 124, App
C 42	13	1.9	20	4	US-09-009-816-15	Sequence 15, Appl
C 43	13	1.9	20	4	US-09-485-415-2	Sequence 2, Appli
C 44	13	1.9	20	4	US-09-198-452A-4538	Sequence 4538, Ap
C 45	13	1.9	21	1	US-08-424-663-5	Sequence 5, Appli

ALIGNMENTS

RESULT 1  
US-08-860-038-5  
; Sequence 5, Application US/08860038  
; Patent No. 6287762  
; GENERAL INFORMATION:  
; APPLICANT: CROUZET, Joel  
; APPLICANT: SCHERMAN, Daniel  
; APPLICANT: WILS, Pierre  
; TITLE OF INVENTION: PURIFICATION OF A TRIPLE HELIX FORMATION  
; TITLE OF INVENTION: WITH AN IMMOBILIZED OLIGONUCLEOTIDE  
; NUMBER OF SEQUENCES: 25  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Rhone-Poulenc Rorer Inc.  
; STREET: 500 Arcola Road, Mailstop 3043  
; CITY: Collegeville  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19426  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION NUMBER: US/08/860,038  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA: FR 94/15162  
; APPLICATION NUMBER: 16-DEC-1994  
; FILING DATE: 16-DEC-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: WO FR95/01468  
; FILING DATE: 08-NOV-1995  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Savitzky Esq., Martin F.  
; REGISTRATION NUMBER: 29,699  
; REFERENCE/DOCKET NUMBER: ST94090-US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (610) 454-3816  
; TELEFAX: (610) 454-3808  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 19 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: other nucleic acid  
; DESCRIPTION: /desc = "Oligonucleotide"

US-08-860-038-5

Query Match 2.2%; Score 15; DB 3; Length 19;  
 Best Local Similarity 100.0%; Pred. No. 4e+02;  
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 206 GGGAGGGAGGAGG 220  
 Db 3 GGGAGGGAGGAGG 17

## RESULT 2

US-09-580-923-5  
 ; Sequence 5, Application US/09580923  
 ; Patent No. 6319672  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Crouzet, Joel  
 ; APPLICANT: Scherman, Daniel  
 ; APPLICANT: Wils, Pierre  
 ; APPLICANT: Cameton, Beatrice  
 ; APPLICANT: Blanche, Francis  
 ; TITLE OF INVENTION: PURIFICATION OF A TRIPLE HELIX FORMATION WITH AN  
 ; FILE REFERENCE: 03804.0138-01  
 ; CURRENT FILING DATE: 2000-05-26  
 ; PRIOR APPLICATION NUMBER: 08/860.038  
 ; PRIOR FILING DATE: 1997-06-09  
 ; PRIOR APPLICATION NUMBER: PCT/FR95/01468  
 ; PRIOR FILING DATE: 1995-11-08  
 ; NUMBER OF SEQ ID NOS: 36  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 5  
 ; LENGTH: 19  
 ; TYPE: DNA  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence:  
 ; OTHER INFORMATION: oligonucleotide  
 US-09-580-923-5

Query Match 2.2%; Score 15; DB 4; Length 19;  
 Best Local Similarity 100.0%; Pred. No. 4e+02;  
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 206 GGGAGGGAGGAGG 220  
 Db 3 GGGAGGGAGGAGG 17

## RESULT 3

US-09-844-521-54  
 ; Sequence 54, Application US/09844521  
 ; Patent No. 6492172  
 ; GENERAL INFORMATION:  
 ; APPLICANT: C. Frank Bennett  
 ; APPLICANT: Harris Busch  
 ; APPLICANT: Jacqueline Wyatt  
 ; TITLE OF INVENTION: ANTISENSE MODULATION OF GU PROTEIN EXPRESSION  
 ; FILE REFERENCE: RTS-0163  
 ; CURRENT APPLICATION NUMBER: US/09/844,521  
 ; CURRENT FILING DATE: 2001-04-27  
 ; NUMBER OF SEQ ID NOS: 87  
 ; SEQ ID NO 54  
 ; LENGTH: 20  
 ; TYPE: DNA  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Antisense oligonucleotide  
 US-09-844-521-54

Query Match 2.2%; Score 15; DB 4; Length 20;  
 Best Local Similarity 100.0%; Pred. No. 4e+02;  
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 19 TTGCAAGGAACAC 33  
 Db 2 TTGCAAGGAACAC 16

## RESULT 4

US-09-122-230-12  
 ; Sequence 12, Application US/09122230A  
 ; Patent No. 5973228  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Carlson, et al.  
 ; TITLE OF INVENTION: Coniferin Beta Glucosidase cDNA for Modifying Lignin  
 ; FILE REFERENCE: 50532  
 ; CURRENT APPLICATION NUMBER: US/09/122,230A  
 ; CURRENT FILING DATE: 1998-07-23  
 ; EARLIER APPLICATION NUMBER: U.S. 60/053,566  
 ; EARLIER FILING DATE: 1997-07-24  
 ; NUMBER OF SEQ ID NOS: 14  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 12  
 ; LENGTH: 24  
 ; TYPE: DNA  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: primer for the  
 ; OTHER INFORMATION: amplification of the CBG cDNA sequence  
 US-09-122-230-12

Query Match 2.2%; Score 15; DB 2; Length 24;  
 Best Local Similarity 100.0%; Pred. No. 4.1e+02;  
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 522 TTACCTGCGAGTCC 536  
 Db 9 TTACCTGCGAGTCC 23

## RESULT 5

US-09-559-306-15/c  
 ; Sequence 15, Application US/09559306  
 ; Patent No. 6642800  
 ; GENERAL INFORMATION:  
 ; APPLICANT: STRIZHKOV, BORIS  
 ; APPLICANT: TILLIB, SERGEI  
 ; APPLICANT: MICHAILOVICH, VLADIMIR  
 ; APPLICANT: MIRZABEKOV, ANDREI  
 ; TITLE OF INVENTION: PCR AMPLIFICATION ON MICROARRAYS OF GEL IMMOBILIZED  
 ; FILE REFERENCE: 21416-90459  
 ; CURRENT APPLICATION NUMBER: US/09/559,306  
 ; CURRENT FILING DATE: 2000-04-25  
 ; PRIOR APPLICATION NUMBER: 60/165,029  
 ; PRIOR FILING DATE: 1999-11-12  
 ; NUMBER OF SEQ ID NOS: 58  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 15  
 ; LENGTH: 29  
 ; TYPE: DNA  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: Primer  
 US-09-559-306-15

Query Match 2.2%; Score 15; DB 4; Length 29;  
 Best Local Similarity 100.0%; Pred. No. 4.1e+02;  
 Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 401 GTCCATGAATGTCT 415  
 Db 29 GTCCATGAATGTCT 15

RESULT 6  
US-09-463-380-3/c  
; Sequence 3, Application US/09463380  
; Patent No. 6391633  
; GENERAL INFORMATION:  
; APPLICANT: Anne STERN; Michael BRANDT; Konrad HONOLD; Johannes AUER; Hans KOLL  
; TITLE OF INVENTION: Preparation of erythropoietin by endogenous gene activation  
; FILE REFERENCE: HUBR 1151 PPF/MAS  
; CURRENT APPLICATION NUMBER: US/09/463,380  
; CURRENT FILING DATE: 2000-01-21  
; PRIOR APPLICATION NUMBER: PCT/EP98/04590  
; PRIOR FILING DATE: 1998-07-22  
; PRIOR APPLICATION NUMBER: US 09/113,692  
; PRIOR FILING DATE: 1998-07-10  
; PRIOR APPLICATION NUMBER: DE 19753681.1  
; PRIOR FILING DATE: 1997-12-03  
; PRIOR APPLICATION NUMBER: EP 97112640  
; PRIOR FILING DATE: 1997-07-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: Wordperfect 6/7/8  
; SEQ ID NO 3  
; LENGTH: 36  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Nucleotide sequence of the primer used for preparing PCR Product  
US-09-463-380-3  
  
Query Match 2.2%; Score 15; DB 4; Length 36;  
Best Local Similarity 100.0%; Pred. No. 4.1e+02;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 206 GGGAGGGAGGAGG 220  
Db 25 GGGAGGGAGGAGG 11  
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RESULT 7  
US-09-463-339A-3/c  
; Sequence 3, Application US/09463339A  
; Patent No. 6395484  
; GENERAL INFORMATION:  
; APPLICANT: Boehringer Mannheim GmbH  
; TITLE OF INVENTION: Identification of Human Cell Lines for the  
; Production of Human Proteins by Endogenous Gene Activation  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: Fulbright & Jaworski L.L.P.  
; STREET: 666 Fifth Avenue  
; CITY: New York City  
; STATE: New York  
; COUNTRY: USA  
; ZIP: 10103  
; COMPUTER: IBM  
; MEDIUM TYPE: Diskette, 3.25 inch, 1.44mb  
; OPERATING SYSTEM: PC-DOS  
; SOFTWARE: Wordperfect  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/463,339A  
; FILING DATE: 30-May-2000  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: PCT/EP98/04584  
; FILING DATE: 22-Jul-1998  
; APPLICATION NUMBER: 97112640.4  
; FILING DATE: 23-Jul-1997  
; APPLICATION NUMBER: 97121073.7  
; FILING DATE: 01-Dec-1997  
; APPLICATION NUMBER: 09/113,692  
; FILING DATE: 10-Jul-1998  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Mary Anne Schofield  
; REGISTRATION NUMBER: 36,669

; REFERENCE/DOCKET NUMBER: HUBR 1150 - PPF/MAS (09908988)  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202) 662-0200  
; TELEFAX: (202) 662-4643  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 36 base pairs  
; TYPE: Nucleotide  
; STRANDEDNESS: single strand  
; TOPOLOGY: linear  
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-09-463-339A-3  
  
Query Match 2.2%; Score 15; DB 4; Length 36;  
Best Local Similarity 100.0%; Pred. No. 4.1e+02;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 206 GGGAGGGAGGAGG 220  
Db 25 GGGAGGGAGGAGG 11  
|||||  
  
RESULT 8  
US-09-985-357A-3/c  
; Sequence 3, Application US/09985357A  
; Patent No. 6544748  
; GENERAL INFORMATION:  
; APPLICANT: Anne STERN; Michael BRANDT; Konrad HONOLD; Johannes AUER; Hans KOLL  
; TITLE OF INVENTION: Preparation of erythropoietin by endogenous gene activation  
; FILE REFERENCE: HUBR 1151.1 CON PPF/MAS  
; CURRENT APPLICATION NUMBER: US/09/985,357A  
; CURRENT FILING DATE: 2001-11-02  
; PRIOR APPLICATION NUMBER: US 09/463,380  
; PRIOR FILING DATE: 2000-01-21  
; PRIOR APPLICATION NUMBER: PCT/EP98/04590  
; PRIOR FILING DATE: 1998-07-22  
; PRIOR APPLICATION NUMBER: US 09/113,692  
; PRIOR FILING DATE: 1998-07-10  
; PRIOR APPLICATION NUMBER: DE 19753681.1  
; PRIOR FILING DATE: 1997-12-03  
; PRIOR APPLICATION NUMBER: EP 97112640  
; PRIOR FILING DATE: 1997-07-23  
; NUMBER OF SEQ ID NOS: 17  
; SOFTWARE: Wordperfect  
; SEQ ID NO 3  
; LENGTH: 36  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Nucleotide sequence of the primer used for preparing PCR Product  
US-09-985-357A-3  
  
Query Match 2.2%; Score 15; DB 4; Length 36;  
Best Local Similarity 100.0%; Pred. No. 4.1e+02;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
QY 206 GGGAGGGAGGAGG 220  
Db 25 GGGAGGGAGGAGG 11  
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RESULT 9  
US-09-113-692B-3/c  
; Sequence 3, Application US/09113692B  
; Patent No. 6548296  
; GENERAL INFORMATION:  
; APPLICANT: Stern, Anne  
; APPLICANT: Brandt, Michael  
; APPLICANT: Honold, Konrad  
; APPLICANT: Auer, Johannes  
; APPLICANT: Koll, Hans  
; APPLICANT: Franze, Reinhard  
; APPLICANT: Pessara, Ulrich

```

; TITLE OF INVENTION: Methods For Identifying Human Cell Lines Useful for
; TITLE OF INVENTION: Endogenous Gene Activation, Isolated Human Cell Lines
; TITLE OF INVENTION: Identified Thereby, And Uses Thereof
; FILE REFERENCE: Hubr 1126
; CURRENT APPLICATION NUMBER: US/09/113,692B
; CURRENT FILING DATE: 1998-07-10
; PRIOR APPLICATION NUMBER: EP/97 112 640
; PRIOR FILING DATE: 1197-07-23
; PRIOR APPLICATION NUMBER: EP/97 121 073
; PRIOR FILING DATE: 1997-12-01
; PRIOR APPLICATION NUMBER: EP/97 53 681
; PRIOR FILING DATE: 1997-12-03
; NUMBER OF SEQ ID NOS: 10
; SEQ ID NO 3
; LENGTH: 36
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-09-113-692B-3

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```

Query Match      2.2%; Score 15; DB 4; Length 36;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      206 GGGAGGGAGGAGG 220
          |||||

```

```
Db      25 GGGAGGGAGGAGG 11
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```

```

RESULT 10
US-09-607-277A-3/c
; Sequence 3, Application US/09607277A
; Patent No. 6555373
; GENERAL INFORMATION:
; APPLICANT: Stern, Anne
; APPLICANT: Brandt, Michael
; APPLICANT: Honold, Konrad
; APPLICANT: Auer, Johannes
; APPLICANT: Koll, Hans
; APPLICANT: Franze, Reinhard
; APPLICANT: Pessara, Ulrich
; TITLE OF INVENTION: Methods For Identifying Human Cell Lines Useful for
; TITLE OF INVENTION: Endogenous Gene Activation, Isolated Human Cell Lines
; TITLE OF INVENTION: Identified Thereby, And Uses Thereof
; FILE REFERENCE: Hubr 1126.1
; CURRENT APPLICATION NUMBER: US/09/607,277A
; CURRENT FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/113,692
; PRIOR FILING DATE: 1998-07-10
; PRIOR APPLICATION NUMBER: EP/97 112 640
; PRIOR FILING DATE: 1997-07-23
; PRIOR APPLICATION NUMBER: EP/97 121 073
; PRIOR FILING DATE: 1997-12-01
; PRIOR APPLICATION NUMBER: EP/97 53 681
; PRIOR FILING DATE: 1997-12-03
; NUMBER OF SEQ ID NOS: 10
; SEQ ID NO 3
; LENGTH: 36
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-09-607-277A-3

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Query Match      2.2%; Score 15; DB 4; Length 36;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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```
QY      206 GGGAGGGAGGAGG 220
          |||||

```

```
Db      25 GGGAGGGAGGAGG 11
          |||||

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RESULT 11
US-08-194-981E-51
; Sequence 51, Application US/08194981E

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; Patent No. 5886157
; GENERAL INFORMATION:
; APPLICANT: GUENGERICH, F. Peter
; APPLICANT: GUO, Zuyu
; APPLICANT: SANDHU, Punam
; APPLICANT: GILLAM, Elizabeth M. J.
; TITLE OF INVENTION: EXPRESSION AND PURIFICATION OF
; TITLE OF INVENTION: HUMAN
; TITLE OF INVENTION: CYTOCHROME P450
; NUMBER OF SEQUENCES: 68
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.
; STREET: Suite 1200, 127 Peachtree Street, NE
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30303-1811
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/194,981E
; FILING DATE: February 10, 1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Elizabeth Selby
; REGISTRATION NUMBER: 38,298
; REFERENCE/DOCKET NUMBER: 22000.0022
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404) 688-0770
; TELEFAX: (404) 688-9880
; INFORMATION FOR SEQ ID NO: 51:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 42 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHEetical: NO
; ANTI-SENSE: NO
US-08-194-981E-51

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```

Query Match      2.2%; Score 15; DB 2; Length 42;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      504 CTGCTTTAGGAGTAA 518
          |||||

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```
Db      17 CTGCTTTAGGAGTAA 31
          |||||

```

```
RESULT 12

```

```

US-09-422-978-6699
; Sequence 6699, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 6699

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; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..18
; OTHER INFORMATION: upstream amplification primer 99-17254 for SEQ 2765,
US-09-422-978-6699

Query Match          2.1%; Score 14; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 614 TCCTCCTTTTATCT 627
Db 2 TCCTCCTTTTATCT 15

RESULT 13
US-08-940-250-15
; Sequence 15, Application US/08940250
; Patent No. 6001991
; GENERAL INFORMATION:
; APPLICANT: Nicholas Dean, Muthiah Manoharan
; TITLE OF INVENTION: Antisense Oligonucleotide Modulation
; TITLE OF INVENTION: of MDR P-glycoprotein Gene Expression
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Law Offices of Jane Massey Licata
; STREET: 66 East Main Street
; CITY: Marlton
; STATE: NJ
; COUNTRY: USA
; ZIP: 08053
; COMPUTER READABLE FORM:
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,250
; FILING DATE: Herewith
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/731,199
; FILING DATE: 10/4/96
; ATTORNEY/AGENT INFORMATION:
; NAME: Jane Massey Licata
; REGISTRATION NUMBER: 32,257
; REFERENCE/DOCKET NUMBER: ISPH-0217
; TELEPHONE: (609) 779-2400
; TELEFAX: (609) 810-1454
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
US-08-940-250-15

Query Match          2.1%; Score 14; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 452 CTCGTGTTCTTTAA 465
Db 1 CTCGTGTTCTTTAA 14

RESULT 14
US-09-517-467B-145
; Sequence 145, Application US/09517467B
; Patent No. 6451602
; GENERAL INFORMATION:
; APPLICANT: Ian Popoff
; APPLICANT: Lex M. Cowsett
; TITLE OF INVENTION: ANTISENSE MODULATION OF PAPP EXPRESSION
; FILE REFERENCE: RTS-0150
; CURRENT APPLICATION NUMBER: US/09/517,467B
; CURRENT FILING DATE: 2001-03-02
; PRIOR APPLICATION NUMBER: 09/517,467
; PRIOR FILING DATE: 2000-03-02
; NUMBER OF SEQ ID NOS: 345
; SEQ ID NO 145
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-517-467B-145

Query Match          2.1%; Score 14; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 530 CAGTTCCTTCTGTG 543
Db 7 CAGTTCCTTCTGTG 20

RESULT 15
US-09-422-978-8188
; Sequence 8188, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumefeld, Marta
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 8188
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..21
; OTHER INFORMATION: downstream amplification primer 99-14250 for SEQ 323, in compleme
US-09-422-978-8188

Query Match          2.1%; Score 14; DB 4; Length 21;
Best Local Similarity 100.0%; Pred. No. 1.3e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 129 AACGAGACCACCTTC 142
Db 2 AACGAGACCACCTTC 15

Search completed: September 16, 2004, 20:56:03
Job time : 71.2713 secs
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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 20:34:17 ; Search time 404.448 Seconds  
(without alignments)  
8361.486 Million cell updates/sec

Title: US-09-477-082-1

Perfect score: 670

Sequence: 1 aagcgctcaagacacgatt.....999ggttaataaagcgcttt 670

Scoring table: OLIGO\_NUC

Gapop 60.0 , Gapext 60.0

Searched: 3327077 seqs, 2523723180 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1870910

Minimum DB seq length: 0

Maximum DB seq length: 50

Post-processing: Listing first 45 summaries

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3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq.\*  
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12: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq.\*  
13: /cgn2\_6/ptodata/2/pubpna/US10A\_PUBCOMB.seq.\*  
14: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq.\*  
15: /cgn2\_6/ptodata/2/pubpna/US10C\_PUBCOMB.seq.\*  
16: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq.\*  
17: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq.\*  
18: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq.\*  
19: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

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1	15	2.2	18	US-10-333-429-444
2	15	2.2	19	US-10-275-071-5
3	15	2.2	22	US-08-935-464-16
4	15	2.2	22	US-10-125-835-16
5	15	2.2	25	US-09-965-602-29
6	15	2.2	25	US-10-098-263B-1062
7	15	2.2	36	US-09-985-357A-3
8	15	2.2	36	US-10-112-755-3
9	15	2.2	36	US-10-353-767-3
10	14	2.1	17	US-10-338-777-231
11	14	2.1	18	US-10-349-143-6699
12	14	2.1	20	US-10-080-979-41
13	14	2.1	20	US-10-780-439-41
14	14	2.1	21	US-10-349-143-8188

15 14 2.1 25 15 US-10-098-263B-39416 Sequence 39416, A  
16 14 2.1 25 15 US-10-098-263B-103671 Sequence 103671,  
17 14 2.1 25 15 US-10-098-263B-127788 Sequence 127788,  
18 14 2.1 25 15 US-10-098-263B-130512 Sequence 130512,  
19 14 2.1 26 13 US-09-998-976-6 Sequence 6, Appli  
20 14 2.1 30 17 US-10-379-747-43 Sequence 43, Appli  
21 14 2.1 31 9 US-09-801-274-532 Sequence 532, App  
22 14 2.1 31 10 US-09-228-639-15 Sequence 15, Appli  
23 14 2.1 47 15 US-10-288-250-1 Sequence 1, Appli  
24 14 2.1 47 16 US-10-349-143-3044 Sequence 3044, Ap  
25 14 2.1 48 10 US-09-780-533A-6046 Sequence 6046, Ap  
26 13 1.9 14 9 US-09-840-243B-21 Sequence 21, Appli  
27 13 1.9 16 16 US-10-297-068-678 Sequence 678, App  
28 13 1.9 16 16 US-10-297-068-870 Sequence 870, App  
29 13 1.9 17 10 US-09-730-289B-928 Sequence 928, App  
30 13 1.9 17 10 US-09-780-533A-1282 Sequence 1282, Ap  
31 13 1.9 17 15 US-10-339-793-285 Sequence 285, App  
32 13 1.9 18 16 US-10-349-143-5793 Sequence 5793, Ap  
33 13 1.9 19 9 US-09-969-373-2699 Sequence 2699, Ap  
34 13 1.9 19 10 US-09-779-152-52 Sequence 52, Appli  
35 13 1.9 19 15 US-10-023-610-52 Sequence 52, Appli  
36 13 1.9 19 15 US-10-205-309-286 Sequence 286, App  
37 13 1.9 19 15 US-10-205-309-611 Sequence 611, App  
38 13 1.9 19 17 US-10-212-848-52 Sequence 52, Appli  
39 13 1.9 20 10 US-09-904-968A-43 Sequence 43, Appli  
40 13 1.9 20 13 US-10-262-839-301 Sequence 301, App  
41 13 1.9 20 13 US-10-027-632-177056 Sequence 177056,  
42 13 1.9 20 15 US-10-008-789-72 Sequence 72, Appli  
43 13 1.9 20 15 US-10-083-246A-72 Sequence 72, Appli  
44 13 1.9 20 15 US-10-278-089-2 Sequence 2, Appli  
45 13 1.9 20 16 US-10-027-632-177056 Sequence 177056,

#### ALIGNMENTS

#### RESULT 1

US-10-333-429-444  
; Sequence 444, Application US/10333429  
; Publication No. US20040048265A1  
; GENERAL INFORMATION:  
; APPLICANT: GENSET  
; TITLE OF INVENTION: Obesity Associated Biallelic Marker Maps  
; FILE REFERENCE: G-083US02PCT  
; CURRENT APPLICATION NUMBER: US/10/333,429  
; CURRENT FILING DATE: 2003-01-17  
; PRIOR APPLICATION NUMBER: PCT/IB01/01477  
; PRIOR FILING DATE: 2001-06-28  
; PRIOR APPLICATION NUMBER: US 60/219,704  
; PRIOR FILING DATE: 2000-07-18  
; NUMBER OF SEQ ID NOS: 579  
; SOFTWARE: Patent.pm  
; SEQ ID NO 444  
; LENGTH: 18  
; TYPE: DNA  
; ORGANISM: Homo Sapiens  
; FEATURE:  
; NAME/KEY: primer\_bind  
; LOCATION: 1..18  
; OTHER INFORMATION: downstream amplification primer 99-41727 for SEQ 102, in compleme  
US-10-333-429-444

Query Match 2.2%; Score 15; DB 13; Length 18;  
Best Local Similarity 100.0%; Pred. No. 2.4e+03;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 608 AGGTCTCTCCCTCTT 622

Db 1 AGGTCTCTCTCTT 15

#### RESULT 2

US-10-275-071-5

```

; Sequence 5, Application US/10275071
; Publication No. US20030186268A1
; GENERAL INFORMATION:
; APPLICANT: Crouzet, Joel
; APPLICANT: Scherman, Daniel
; APPLICANT: Wils, Pierre
; APPLICANT: Cameron, Beatrice
; APPLICANT: Blanche, Francis
; TITLE OF INVENTION: PURIFICATION OF A TRIPLE HELIX FORMATION WITH AN
; TITLE OF INVENTION: IMMOBILIZED OLIGONUCLEOTIDE
; FILE REFERENCE: 08888.0138-02
; CURRENT APPLICATION NUMBER: US/10/275,071
; CURRENT FILING DATE: 2003-04-07
; PRIOR APPLICATION NUMBER: 09/580,923
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 08/860,038
; PRIOR FILING DATE: 1997-06-09
; PRIOR APPLICATION NUMBER: PCT/FR95/01468
; PRIOR FILING DATE: 1995-11-08
; NUMBER OF SEQ ID NOS: 36
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 19
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: oligonucleotide
US-10-275-071-5

Query Match      2.2%; Score 15; DB 15; Length 19;
Best Local Similarity 100.0%; Pred. No. 2.4e+03; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 0;

QY      206 GCGAGGGAGGAGG 220
DB      3 GCGAGGGAGGAGG 17

RESULT 3
US-09-935-464-16
; Sequence 16, Application US/09935464
; Publication No. US20030027153A1
; GENERAL INFORMATION:
; APPLICANT: Meyer, Joanne
; APPLICANT: Barrington-Martin, Rory
; APPLICANT: Parker, Alexander
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND TREATING NEUROPSYCHIA
; TITLE OF INVENTION: DISORDERS SUCH AS SCHIZOPHRENIA
; FILE REFERENCE: 3322/1H702 US1
; CURRENT APPLICATION NUMBER: US/09/935,464
; CURRENT FILING DATE: 2001-08-23
; PRIOR APPLICATION NUMBER: US 09/757,300
; PRIOR FILING DATE: 2001-01-09
; NUMBER OF SEQ ID NOS: 90
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 16
; LENGTH: 22
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: DNA primer
US-09-935-464-16

Query Match      2.2%; Score 15; DB 10; Length 22;
Best Local Similarity 100.0%; Pred. No. 2.4e+03; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 0;

QY      253 CAAGGCAAAAGGAAA 267
DB      3 CAAGGCAAAAGGAAA 17

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/ FILE REFERENCE: 3118.1
/ CURRENT APPLICATION NUMBER: US/10/098,263B
/ CURRENT FILING DATE: 2003-01-08
/ PRIOR APPLICATION NUMBER: 60/276,759
/ PRIOR FILING DATE: 2001-03-16
/ NUMBER OF SEQ ID NOS: 131066
/ SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
/ SEQ ID NO 1062
/ LENGTH: 25
/ TYPE: DNA
/ ORGANISM: Homo sapien
US-10-098-263B-1062

Query Match          2.2%; Score 15; DB 15; Length 25;
Best Local Similarity 100.0%; Pred. No. 2.4e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 226 TCTGTGACTTCAGTG 240
Db 21 TCTGTGACTTCAGTG 7

RESULT 7
US-09-985-357A-3/c
/ Sequence 3, Application US/09985357A
/ Patent No. US20020110913A1
/ GENERAL INFORMATION:
/ APPLICANT: Anne STERN; Michael BRANDT; Konrad HONOLD; Johannes AUER; Hans KOLL
/ TITLE OF INVENTION: Preparation of erythropoietin by endogenous gene activation
/ FILE REFERENCE: HUBR 1151.1 CON PFF/MAS
/ CURRENT APPLICATION NUMBER: US/09/985,357A
/ CURRENT FILING DATE: 2001-11-02
/ PRIOR APPLICATION NUMBER: US 09/463,380
/ PRIOR FILING DATE: 2000-01-21
/ PRIOR APPLICATION NUMBER: PCT/EP98/04590
/ PRIOR FILING DATE: 1998-07-22
/ PRIOR APPLICATION NUMBER: US 09/113,692
/ PRIOR FILING DATE: 1998-07-10
/ PRIOR APPLICATION NUMBER: DE 19753681.1
/ PRIOR FILING DATE: 1997-12-03
/ SOFTWARE: Wordperfect
/ SEQ ID NO 3
/ LENGTH: 36
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Nucleotide sequence of the primer used for preparing PCR Product
US-09-985-357A-3

Query Match          2.2%; Score 15; DB 9; Length 36;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 206 GCGAGGGAGGAGGAGG 220
Db 25 GCGAGGGAGGAGGAGG 11

RESULT 8
US-10-112-755-3/c
/ Sequence 3, Application US/10112755
/ Publication No. US20020164792A1
/ GENERAL INFORMATION:
/ APPLICANT: Boehringer Mannheim GmbH
/ TITLE OF INVENTION: Identification of Human Cell Lines for the
/ Production of Human Proteins by Endogenous Gene
/ Activation
/ NUMBER OF SEQUENCES: 4
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Fulbright & Jaworski L.L.P.
```

```
/ STREET: 666 Fifth Avenue
/ CITY: New York City
/ STATE: New York
/ COUNTRY: USA
/ ZIP: 10103
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette, 3.25 inch, 1.44mb
/ COMPUTER: IBM
/ OPERATING SYSTEM: PC-DOS
/ SOFTWARE: Wordperfect
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/10/112,755
/ FILING DATE: 02-Apr-2002
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/09/463,399A
/ FILING DATE: 30-May-2000
/ APPLICATION NUMBER: PCT/EP98/04584
/ FILING DATE: 22-Jul-1998
/ APPLICATION NUMBER: 97112640.4
/ FILING DATE: 23-Jul-1997
/ APPLICATION NUMBER: 97121073.7
/ FILING DATE: 01-Dec-1997
/ APPLICATION NUMBER: 09/113,692
/ FILING DATE: 10-Jul-1998
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Mary Anne Schofield
/ REGISTRATION NUMBER: 36,689
/ REFERENCE/DOCKET NUMBER: HUBR 1150 - PFF/MAS (099089988)
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (202) 662-0200
/ TELEFAX: (202) 662-4643
/ INFORMATION FOR SEQ ID NO: 3:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 36 base pairs
/ TYPE: Nucleotide
/ STRANDEDNESS: single strand
/ TOPOLOGY: linear
/ SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-112-755-3

Query Match          2.2%; Score 15; DB 14; Length 36;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 206 GCGAGGGAGGAGGAGG 220
Db 25 GCGAGGGAGGAGGAGG 11

RESULT 9
US-10-353-767-3/c
/ Sequence 3, Application US/10353767
/ Publication No. US20030166275A1
/ GENERAL INFORMATION:
/ APPLICANT: Anne STERN; Michael BRANDT; Konrad HONOLD; Johannes AUER; Hans
/ APPLICANT: KOLL
/ TITLE OF INVENTION: Preparation of erythropoietin by endogenous gene
/ FILE REFERENCE: HUBR 1151.1 CON PFF/MAS
/ CURRENT APPLICATION NUMBER: US/10/353,767
/ CURRENT FILING DATE: 2003-01-29
/ PRIOR APPLICATION NUMBER: US/09/985,357A
/ PRIOR FILING DATE: 2001-11-12
/ PRIOR APPLICATION NUMBER: US 09/463,380
/ PRIOR FILING DATE: 2000-01-21
/ PRIOR APPLICATION NUMBER: PCT/EP98/04590
/ PRIOR FILING DATE: 1998-07-22
/ PRIOR APPLICATION NUMBER: US 09/113,692
/ PRIOR FILING DATE: 1998-07-10
/ PRIOR APPLICATION NUMBER: DE 19753681.1
/ PRIOR FILING DATE: 1997-12-03
/ PRIOR APPLICATION NUMBER: EP 97112640
/ PRIOR FILING DATE: 1997-07-23
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; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: Wordperfect
; SEQ ID NO 3
; LENGTH: 36
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Nucleotide sequence of the primer used for preparing
; OTHER INFORMATION: PCR Product 2
US-10-353-767-3

Query Match      2.2%; Score 15; DB 15; Length 36;
Best Local Similarity 100.0%; Pred. No. 2.5e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      206 GCGAGGAGGAGGAGG 220
DB      25 GCGAGGAGGAGGAGG 11

RESULT 10
US-10-338-777-231/c
; Sequence 231, Application US/10338777
; Publication No. US20030188343A1
; GENERAL INFORMATION:
; APPLICANT: Lynx Therapeutics, Inc.
; APPLICANT: United States Department of Agriculture
; APPLICANT: Bowen, Benjamin A
; APPLICANT: Haudenschild, Christian D
; APPLICANT: Buckler, Edward S
; TITLE OF INVENTION: Identification of Genes Associated with Growth in Plants
; FILE REFERENCE: 37-000510US
; CURRENT APPLICATION NUMBER: US/10/338,777
; CURRENT FILING DATE: 2003-01-07
; NUMBER OF SEQ ID NOS: 405
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 231
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-10-338-777-231

Query Match      2.1%; Score 14; DB 15; Length 17;
Best Local Similarity 100.0%; Pred. No. 8.5e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      528 TGCAGTTCCTTCG 541
DB      17 TGCAGTTCCTTCG 4

RESULT 11
US-10-349-143-6699
; Sequence 6699, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CP1
; CURRENT APPLICATION NUMBER: US/10/349,143
; CURRENT FILING DATE: 2003-01-21
; PRIOR FILING DATE: 1999-10-20
; PRIOR APPLICATION NUMBER: US/09/422,978
; PRIOR FILING DATE: 1999-10-20
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 6699
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; LENGTH: 18
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..18
; OTHER INFORMATION: upstream amplification primer 99-17254 for SEQ 2765,
US-10-349-143-6699

Query Match      2.1%; Score 14; DB 16; Length 18;
Best Local Similarity 100.0%; Pred. No. 8.5e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      614 TCCTCCTTTTATCT 627
DB      2 TCCTCCTTTTATCT 15

RESULT 12
US-10-080-979-41
; Sequence 41, Application US/10080979
; Publication No. US20030191075A1
; GENERAL INFORMATION:
; APPLICANT: Cook, Philip Dan
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Bennett, Frank C.
; TITLE OF INVENTION: Oligonucleotide Conjugates For Hepatic Delivery
; FILE REFERENCE: Isis-5028
; CURRENT APPLICATION NUMBER: US/10/080,979
; CURRENT FILING DATE: 2002-02-22
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Oligonucleotide
US-10-080-979-41

Query Match      2.1%; Score 14; DB 15; Length 20;
Best Local Similarity 100.0%; Pred. No. 8.5e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      452 CTCGTTCCTTTTAA 465
DB      1 CTCGTTCCTTTTAA 14

RESULT 13
US-10-780-439-41
; Sequence 41, Application US/10780439
; Publication No. US20040142899A1
; GENERAL INFORMATION:
; APPLICANT: Cook, Phillip D.
; APPLICANT: Manoharan, Muthiah
; APPLICANT: Bennett, C. Frank
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; ENHANCED BIOTABILITY AND ALTERED BIODISTRIBUTION OF
; OLIGONUCLEOTIDES IN MAMMALS
; NUMBER OF SEQUENCES: 83
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cozen O'Connor
; STREET: 1900 Market Street
; CITY: Philadelphia
; STATE: PA
; COUNTRY: U.S.A.
; ZIP: 19103
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn release #1.0, Version #1.25
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/780,439
; FILING DATE: 17-Feb-2004
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Nguyen, Quan L.
; REGISTRATION NUMBER: 46,957
; REFERENCE/DOCKET NUMBER: ISIC0006-102
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-665-2000
; TELEFAX: 215-665-2013
; INFORMATION FOR SEQ ID NO: 41:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20
; TYPE: Nucleic Acid
; STRANDEDNESS: Single
; TOPOLOGY: Linear
; ANTI-SENSE: Yes
; SEQUENCE DESCRIPTION: SEQ ID NO: 41:
US-10-780-439-41

Query Match          2.1%; Score 14; DB 17; Length 20;
Best Local Similarity 100.0%; Pred. No. 8.5e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      452 CTCGTCTCCTTTAA 465
Db      1 CTCGTCTCCTTTAA 14

RESULT 14
US-10-349-143-8188
; Sequence 8188, Application US/10349143
; Publication No. US20040005584A1
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CP1
; CURRENT APPLICATION NUMBER: US/10/349,143
; CURRENT FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: US/09/422,978
; PRIOR FILING DATE: 1999-10-20
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 09/298,850
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/109,732
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/082,614
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 8188
; LENGTH: 21
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 1..21
; OTHER INFORMATION: downstream amplification primer 99-14250 for SEQ 323, in compleme
US-10-349-143-8188

Query Match          2.1%; Score 14; DB 16; Length 21;
Best Local Similarity 100.0%; Pred. No. 8.6e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      129 AACGAGACCACTTC 142
Db      2 AACGAGACCACTTC 15

RESULT 15
US-10-098-263B-39416
; Sequence 39416, Application US/10098263B
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; Publication No. US20030104410A1
; GENERAL INFORMATION:
; APPLICANT: Mittman, Michael
; TITLE OF INVENTION: Human Microarray
; FILE REFERENCE: 3118.1
; CURRENT APPLICATION NUMBER: US/10/098,263B
; CURRENT FILING DATE: 2003-01-08
; PRIOR APPLICATION NUMBER: 60/276,759
; PRIOR FILING DATE: 2001-03-16
; NUMBER OF SEQ ID NOS: 131066
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 39416
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-098-263B-39416

Query Match          2.1%; Score 14; DB 15; Length 25;
Best Local Similarity 100.0%; Pred. No. 8.6e+03;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      596 AAGTGTTTTCACAG 609
Db      5 AAGTGTTTTCACAG 18

Search completed: September 16, 2004, 23:10:16
Job time : 407.448 secs
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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 16:23:02 ; Search time 76.7287 Seconds  
(without alignments)  
5446.173 Million cell updates/sec

Title: US-09-477-082-2  
Perfect score: 753  
Sequence: 1 aattagaccgcgtattgaaa.....tacactgggtttttaacctt 753

Scoring table: OLIGO NUC  
Gapop 60.0 , Gapext 60.0

Searched: 682709 seqs, 277475446 residues

Word size : 0

Total number of hits satisfying chosen parameters: 839752

Minimum DB seq length: 0  
Maximum DB seq length: 50

Post-processing: Listing first 45 summaries

Database : Issued Patents NA: \*  
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4: /cgn2\_6/ptodata/2/ina/6B COMB.seq: \*  
5: /cgn2\_6/ptodata/2/ina/PCTUS\_COMB.seq: \*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	16	2.1	31	2	US-08-629-001A-53
2	16	2.1	31	3	US-08-642-274D-132
3	15	2.0	29	2	US-08-563-912-9
4	15	2.0	29	3	US-08-754-681-9
5	15	2.0	29	3	US-09-132-553-9
6	15	2.0	29	3	US-09-132-553-9
7	15	2.0	29	4	US-09-357-487B-9
8	15	2.0	29	4	US-09-602-428-9
9	15	2.0	29	4	US-09-644-723-9
10	15	2.0	29	4	US-09-602-424-9
11	15	2.0	29	4	US-09-841-513-9
12	15	2.0	35	2	US-08-173-489C-20
13	14	1.9	15	3	US-08-832-921-38
14	14	1.9	15	4	US-08-275-951-31
15	14	1.9	16	4	US-09-531-000-9
16	14	1.9	17	4	US-08-584-040-2185
17	14	1.9	17	4	US-08-584-040-2186
18	14	1.9	17	4	US-08-584-040-2187
19	14	1.9	17	4	US-08-584-040-2188
20	14	1.9	17	4	US-09-371-772B-730
21	14	1.9	17	4	US-09-371-772B-731
22	14	1.9	17	4	US-09-371-772B-732
23	14	1.9	17	4	US-09-371-772B-733
24	14	1.9	18	1	US-07-903-466-16
25	14	1.9	18	4	US-08-275-951-33
26	14	1.9	18	5	PCT-US91-03680-4
27	14	1.9	18	5	PCT-US91-03680-5

28	14	1.9	18	5	PCT-US93-05794-16
29	14	1.9	19	5	PCT-US91-03680-3
30	14	1.9	19	5	PCT-US91-03680-6
31	14	1.9	20	2	US-08-904-901-158
32	14	1.9	20	3	US-09-249-730-158
33	14	1.9	20	4	US-09-467-642-53
34	14	1.9	20	4	US-08-108-591B-4
35	14	1.9	20	4	US-09-249-247-158
36	14	1.9	21	4	US-09-422-978-8140
37	14	1.9	22	4	US-09-526-193A-227
38	14	1.9	24	4	US-09-356-806-82
39	14	1.9	26	1	US-08-622-354-8
40	14	1.9	26	2	US-08-291-011-10
41	14	1.9	26	4	US-09-266-065-10
42	14	1.9	26	4	US-09-935-247-10
43	14	1.9	26	4	US-09-495-714C-27
44	14	1.9	29	2	US-08-563-912-17
45	14	1.9	29	3	US-08-754-681-17

ALIGNMENTS

RESULT 1  
US-08-629-001A-53  
; Sequence 53, Application US/08629001A  
; Patent No. 5858661  
; GENERAL INFORMATION:  
; APPLICANT: Shiloh, Yosef  
; TITLE OF INVENTION: ATAXIA-TELANGIECTASIA GENE AND ITS  
; TITLE OF INVENTION: GENOMIC ORGANIZATION  
; NUMBER OF SEQUENCES: 139  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Kohn & Associates  
; STREET: 30500 No. 5858661thwestern Hwy.  
; CITY: Farmington Hills  
; STATE: Michigan  
; COUNTRY: US  
; ZIP: 48334  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/629,001A  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Kohn, Kenneth I.  
; REGISTRATION NUMBER: 30,955  
; REFERENCE/DOCKET NUMBER: 2290.00032  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (810) 539-5050  
; TELEFAX: (810) 539-5055  
; INFORMATION FOR SEQ ID NO: 53:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 31 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-08-629-001A-53

Query Match 2.1%; Score 16; DB 2; Length 31;  
Best Local Similarity 100.0%; Pred. No. 3.6e+02;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 711 TGAACCTTTTCTTTT 726  
DB 5 TGAACCTTTTCTTTT 20

RESULT 2

US-08-642-274D-132  
; Sequence 132, Application US/08642274D  
; Patent No. 6200749  
; GENERAL INFORMATION:  
; APPLICANT: Shiloh, Yosef  
; TITLE OF INVENTION: MUTATED FORMS OF THE ATAXIA-TELANGIECTASIA GENE AND METHOD TO  
; FILE REFERENCE: 229000033  
; CURRENT APPLICATION NUMBER: US/08/642,274D  
; CURRENT FILING DATE: 1996-05-03  
; NUMBER OF SEQ ID NOS: 220  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 132  
; LENGTH: 31  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: intronic  
; OTHER INFORMATION: sequence  
US-08-642-274D-132

Query Match 2.1%; Score 16; DB 3; Length 31;  
Best Local Similarity 100.0%; Pred. No. 3.6e-02; Mismatches 0; Indels 0; Gaps 0;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 711 TGAACCTTTTTTTTTT 726  
Db 5 TGAACCTTTTTTTTTT 20

RESULT 3  
US-08-563-912-9  
; Sequence 9, Application US/08563912  
; Patent No. 5854033  
; GENERAL INFORMATION:  
; APPLICANT: Lizardi, Paul M.  
; TITLE OF INVENTION: Rolling Circle Replication Reporter Systems  
; NUMBER OF SEQUENCES: 17  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Patrea L. Pabst  
; STREET: 2800 One Atlantic Center  
; STREET: 1201 West Peachtree Street  
; CITY: Atlanta  
; STATE: Georgia  
; COUNTRY: USA  
; ZIP: 30306-3450  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION NUMBER: US/08/563,912  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Pabst, Patrea L.  
; REGISTRATION NUMBER: 31,284  
; REFERENCE/DOCKET NUMBER: YU115  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (404)873-8794  
; TELEFAX: (404)873-8795  
; INFORMATION FOR SEQ ID NO: 9:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 29 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
US-08-563-912-9

Query Match 2.0%; Score 15; DB 2; Length 29;  
Best Local Similarity 100.0%; Pred. No. 1.1e-03;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TTTTTTTTGATC 730  
Db 6 TTTTTTTTGATC 20

RESULT 4  
US-08-754-681-9  
; Sequence 9, Application US/08754681  
; Patent No. 6143495  
; GENERAL INFORMATION:  
; APPLICANT: Lizardi, Paul M. and Caplan, Michael  
; TITLE OF INVENTION: Unimolecular Segment Amplification  
; NUMBER OF SEQUENCES: 28  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Patrea L. Pabst  
; STREET: 2800 One Atlantic Center  
; STREET: 1201 West Peachtree Street  
; CITY: Atlanta  
; STATE: Georgia  
; COUNTRY: USA  
; ZIP: 30306-3450  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION NUMBER: US/08/754,681  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/563,912  
; FILING DATE: NO. 6143495 September 21, 1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 60/016,677  
; FILING DATE: May 1, 1996  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Pabst, Patrea L.  
; REGISTRATION NUMBER: 31,284  
; REFERENCE/DOCKET NUMBER: YU115CIP2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (404)873-8794  
; TELEFAX: (404)873-8795  
; INFORMATION FOR SEQ ID NO: 9:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 29 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA  
; HYPOTHETICAL: NO  
; ANTI-SENSE: NO  
US-08-754-681-9

Query Match 2.0%; Score 15; DB 3; Length 29;  
Best Local Similarity 100.0%; Pred. No. 1.1e-03;  
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TTTTTTTTGATC 730  
Db 6 TTTTTTTTGATC 20

RESULT 5  
US-09-132-552-9  
; Sequence 9, Application US/09132552

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/ Patent No. 6183960
/ GENERAL INFORMATION:
/ APPLICANT: Lizardi, Paul M.
/ TITLE OF INVENTION: Rolling Circle Replication Reporter Systems
/ NUMBER OF SEQUENCES: 17
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Patrea L. Pabst
/ STREET: 2800 One Atlantic Center
/ STREET: 1201 West Peachtree Street
/ CITY: Atlanta
/ STATE: Georgia
/ COUNTRY: USA
/ ZIP: 30306-3450
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/132,552
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/08/563,912
/ FILING DATE:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Pabst, Patrea L.
/ REGISTRATION NUMBER: 31,284
/ REFERENCE/DOCKET NUMBER: YU115
/ TELEPHONE: (404)873-8794
/ TELEFAX: (404)873-8795
/ INFORMATION FOR SEQ ID NO: 9:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 29 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ US-09-132-552-9

Query Match 2.0%; Score 15; DB 3; Length 29;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TTTT TTTT TTTT TTTT GATC 730
Db 6 TTTT TTTT TTTT TTTT GATC 20

RESULT 6
US-09-132-553-9
/ Sequence 9, Application US/09132553
/ Patent No. 6210884
/ GENERAL INFORMATION:
/ APPLICANT: Lizardi, Paul M.
/ TITLE OF INVENTION: Rolling Circle Replication Reporter Systems
/ NUMBER OF SEQUENCES: 17
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Patrea L. Pabst
/ STREET: 2800 One Atlantic Center
/ STREET: 1201 West Peachtree Street
/ CITY: Atlanta
/ STATE: Georgia
/ COUNTRY: USA
/ ZIP: 30306-3450
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.25
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/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/132,553
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/08/563,912
/ FILING DATE:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Pabst, Patrea L.
/ REGISTRATION NUMBER: 31,284
/ REFERENCE/DOCKET NUMBER: YU115
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (404)873-8794
/ TELEFAX: (404)873-8795
/ INFORMATION FOR SEQ ID NO: 9:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 29 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ US-09-132-553-9

Query Match 2.0%; Score 15; DB 3; Length 29;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TTTT TTTT TTTT TTTT GATC 730
Db 6 TTTT TTTT TTTT TTTT GATC 20

RESULT 7
US-09-357-487B-9
/ Sequence 9, Application US/09357487B
/ Patent No. 6316229
/ GENERAL INFORMATION:
/ APPLICANT: Lizardi, Paul M.
/ APPLICANT: Xiaochua, Huang
/ TITLE OF INVENTION: Single Molecule Analysis Using Target-Mediated Ligation
/ FILE REFERENCE: YU 123
/ CURRENT APPLICATION NUMBER: US/09/357,487B
/ CURRENT FILING DATE: 1999-06-20
/ PRIOR APPLICATION NUMBER: 60/093,479
/ PRIOR FILING DATE: 1998-06-20
/ NUMBER OF SEQ ID NOS: 39
/ SOFTWARE: Patent In Ver. 2.0
/ SEQ ID NO 9
/ LENGTH: 29
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: Description of Artificial Sequence: address probe
/ NAME/KEY: misc feature
/ LOCATION: (16)..(29)
/ OTHER INFORMATION: nucleotides complementary to amplified wild type
/ OTHER INFORMATION: gene RNA
/ US-09-357-487B-9

Query Match 2.0%; Score 15; DB 4; Length 29;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TTTT TTTT TTTT TTTT GATC 730
Db 6 TTTT TTTT TTTT TTTT GATC 20

RESULT 8
US-09-602-428-9
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us-09-477-082-2.oliszm50.rni

Mon Sep 20 11:28:07 2004

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; Sequence 9, Application US/09602428
; Patent No. 6329150
; GENERAL INFORMATION:
; APPLICANT: Lizardi, Paul M. and Caplan, Michael
; TITLE OF INVENTION: Unimolecular Segment Amplification
;
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30306-3450
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/602,428
; FILING DATE: 23-Jun-2000
; CLASSIFICATION: 435
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/754,681
; FILING DATE: <Unknown>
; FILING DATE: May 1, 1996
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; REFERENCE/DOCKET NUMBER: YU115CIP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404)873-8794
; TELEFAX: (404)873-8795
;
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-09-602-428-9

Query Match 2.0%; Score 15; DB 4; Length 29;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TTTTITTTTITGATC 730
Db 6 TTTTITTTTITGATC 20

RESULT 9
US-09-644-723-9
; Sequence 9, Application US/09644723
; Patent No. 6344329
; GENERAL INFORMATION:
; APPLICANT: Lizardi, Paul M.
; TITLE OF INVENTION: Rolling Circle Replication Reporter Systems
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30306-3450

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/644,723
; FILING DATE: 23-Aug-2000
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/563,912
; FILING DATE: <Unknown>
;
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; REFERENCE/DOCKET NUMBER: YU115
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404)873-8794
; TELEFAX: (404)873-8795
;
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-09-644-723-9

Query Match 2.0%; Score 15; DB 4; Length 29;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TTTTITTTTITGATC 730
Db 6 TTTTITTTTITGATC 20

RESULT 10
US-09-602-424-9
; Sequence 9, Application US/09602424
; Patent No. 6500363
; GENERAL INFORMATION:
; APPLICANT: Lizardi, Paul M. and Caplan, Michael
; TITLE OF INVENTION: Unimolecular Segment Amplification
; And Sequencing
;
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30306-3450
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/602,424
; FILING DATE: 23-Jun-2000
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/754,681
; FILING DATE: <Unknown>
; FILING DATE: May 1, 1996
;
; ATTORNEY/AGENT INFORMATION:

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; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; REFERENCE/DOCKET NUMBER: YU115CIP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404)873-8794
; TELEFAX: (404)873-8795
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 9
US-09-602-424-9

Query Match      2.0%; Score 15; DB 4; Length 29;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TTTTTCGATC 730
Db 6 TTTTTCGATC 20

RESULT 11
US-09-841-513-9
; Sequence 9, Application US/09841513
; Patent No. 6632609
; GENERAL INFORMATION:
; APPLICANT: Lizardi, Paul M. and Caplan, Michael
; TITLE OF INVENTION: Unimolecular Segment Amplification
; AND Sequencing
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30306-3450
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/841,513
; FILING DATE: 24-Apr-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/754,681
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 60/016,677
; FILING DATE: May 1, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; REFERENCE/DOCKET NUMBER: YU115CIP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404)873-8794
; TELEFAX: (404)873-8795
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
```

```
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 9
US-09-841-513-9

Query Match      2.0%; Score 15; DB 4; Length 29;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 716 TTTTTCGATC 730
Db 6 TTTTTCGATC 20

RESULT 12
US-08-173-489C-20
; Sequence 20, Application US/08173489C
; Patent No. 5861244
; GENERAL INFORMATION:
; APPLICANT: WANG, C. -G.
; APPLICANT: HERBURN, A. G.
; TITLE OF INVENTION: GENETIC SEQUENCE ASSAY USING DNA
; TRIPLE-STRAND FORMATION.
; NUMBER OF SEQUENCES: 365
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PROFILE DIAGNOSTIC SCIENCES, INC.,
; STREET: 510 EAST 73RD STREET,
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10021.
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44Mb storage
; COMPUTER: IBM PC/XT/AT
; OPERATING SYSTEM: MS-DOS version 6.2
; SOFTWARE: Wordperfect Version 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/173,489C
; FILING DATE: 22 DEC 1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/968,436
; FILING DATE: 29 OCT 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Handelman, Joseph H.
; REGISTRATION NUMBER: 26,179
; REFERENCE/DOCKET NUMBER: U9518-6
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (attorney) (212) 708-1880
; TELEFAX: (attorney) (212) 246-8959
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 35 bases
; TYPE: Nucleic Acid
; STRANDEDNESS: single stranded
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: third strand derived from n-myc
; DESCRIPTION: sequence region in seq ID No. 586124419
; HYPOTHETICAL: Yes
; ANTI-SENSE: NO
; PUBLICATION INFORMATION:
; RELEVANT RESIDUES IN SEQ ID NO: 20 :FROM 1 TO 35
US-08-173-489C-20

Query Match      2.0%; Score 15; DB 2; Length 35;
Best Local Similarity 100.0%; Pred. No. 1.1e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 461 TTTTTCGATC 475
Db 12 TTTTTCGATC 26
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RESULT 13  
US-08-832-021-28  
; Sequence 28, Application US/08832021  
; Patent No. 6045998  
; GENERAL INFORMATION:  
; APPLICANT: Combates, N.  
; APPLICANT: Parinas, J.  
; APPLICANT: Parimoo, S.  
; APPLICANT: Prouty, S.  
; APPLICANT: Stenn, K.  
; TITLE OF INVENTION: IMPROVED TECHNIQUE FOR DIFFERENTIAL DISPLAY  
; FILE REFERENCE: JBP-382  
; CURRENT APPLICATION NUMBER: US/08/832,021  
; CURRENT FILING DATE: 1997-04-02  
; NUMBER OF SEQ ID NOS: 64  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 28  
; LENGTH: 15  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: primer  
US-08-832-021-28  
Query Match 1.9%; Score 14; DB 3; Length 15;  
Best Local Similarity 100.0%; Pred. No. 3.2e+03;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 716 TTTTCTTTTGTAT 729  
Db 2 TTTTCTTTTGTAT 15  
RESULT 14  
US-08-275-951-31  
; Sequence 31, Application US/08275951  
; Patent No. 6451968  
; GENERAL INFORMATION:  
; APPLICANT: Egholm, Michael  
; APPLICANT: Kiely, John  
; APPLICANT: Griffin, Michael  
; APPLICANT: Coull, James M.  
; APPLICANT: Neilsen, Peter  
; APPLICANT: Buchardt, Ole  
; APPLICANT: Dueholm, Kim L.  
; APPLICANT: Christensen, Leif  
; TITLE OF INVENTION: Linked Peptide Nucleic Acids  
; FILE REFERENCE: ISIS1577  
; CURRENT APPLICATION NUMBER: US/08/275,951  
; CURRENT FILING DATE: 1994-07-15  
; PRIOR APPLICATION NUMBER: 08/108,591  
; PRIOR FILING DATE: 1993-11-22  
; PRIOR APPLICATION NUMBER: 08/088,658  
; PRIOR FILING DATE: 1993-07-02  
; PRIOR APPLICATION NUMBER: 08/088,661  
; PRIOR FILING DATE: 1993-07-02  
; PRIOR APPLICATION NUMBER: PCT/EP92/01219  
; PRIOR FILING DATE: 1992-05-22  
; PRIOR APPLICATION NUMBER: 986/91  
; PRIOR FILING DATE: 1991-05-22  
; PRIOR APPLICATION NUMBER: 987/91  
; PRIOR FILING DATE: 1991-05-24  
; PRIOR APPLICATION NUMBER: 510/92  
; PRIOR FILING DATE: 1991-04-15  
; NUMBER OF SEQ ID NOS: 65  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 31  
; LENGTH: 15  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: No. 6451968el Sequence  
; NAME/KEY: misc\_feature

; LOCATION: (6)..(7)  
; OTHER INFORMATION: Lysine, Amino Hexanoic Acid, Lysine, Amino  
; OTHER INFORMATION: Hexanoic Acid, Lysine Linkage  
US-08-275-951-31  
Query Match 1.9%; Score 14; DB 4; Length 15;  
Best Local Similarity 100.0%; Pred. No. 3.2e+03;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 460 CTTTCTTTTCAAT 478  
Db 2 CTTTCTTTTCAAT 15  
RESULT 15  
US-09-531-000-9  
; Sequence 9, Application US/09531000  
; Patent No. 6461810  
; GENERAL INFORMATION:  
; APPLICANT: JOHNSON, Marion D.  
; APPLICANT: FRESCO, Jacques R.  
; TITLE OF INVENTION: TRIPLEX IN-SITU HYBRIDIZATION  
; FILE REFERENCE: 2448-103  
; CURRENT APPLICATION NUMBER: US/09/531,000  
; CURRENT FILING DATE: 2000-09-08  
; PRIOR APPLICATION NUMBER: PCT/US98/23765  
; PRIOR FILING DATE: 1998-11-10  
; PRIOR APPLICATION NUMBER: 60/064,997  
; PRIOR FILING DATE: 1997-11-10  
; NUMBER OF SEQ ID NOS: 77  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 9  
; LENGTH: 16  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial Sequence: Target  
US-09-531-000-9  
Query Match 1.9%; Score 14; DB 4; Length 16;  
Best Local Similarity 100.0%; Pred. No. 3.2e+03;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 465 TTTTCTTTTCAAT 478  
Db 2 TTTTCTTTTCAAT 15  
Search completed: September 16, 2004, 20:56:05  
Job time : 78.7287 secs

Result No.	Score	Query		Length	DB	ID	Description
		Match					
1	19	2.5	41	12	US-10-035-833A-2005		Sequence 2005, App
2	19	2.5	41	12	US-10-035-833A-4600		Sequence 4600, App
3	18	2.4	40	13	US-10-282-174-524		Sequence 524, App
4	17	2.3	32	11	US-08-906-179A-157		Sequence 157, App
C 5	16	2.1	20	13	US-10-282-174-525		Sequence 525, App
C 6	16	2.1	27	16	US-10-418-182-164		Sequence 164, App
C 7	16	2.1	27	17	US-10-416-699A-5		Sequence 5, Appli
C 8	16	2.1	39	9	US-09-828-523A-87		Sequence 87, Appl
C 9	16	2.1	41	12	US-10-035-833A-5996		Sequence 5996, Ap
C 10	15	2.0	17	15	US-10-338-777-196		Sequence 196, App
C 11	15	2.0	20	10	US-09-912-724-28		Sequence 28, Appl
C 12	15	2.0	27	9	US-09-263-959-524		Sequence 524, App
13	15	2.0	29	9	US-09-841-513-9		Sequence 9, Appli
14	15	2.0	29	15	US-10-038-718-9		Sequence 9, Appli

us-09-477-082-2.oliszm50.rnpb

Mon Sep 20 11:28:08 2004

Publication No. US20040072156A1  
 GENERAL INFORMATION:  
 APPLICANT: Nakamura, Yuho  
 APPLICANT: Sekine, Akihiro  
 APPLICANT: Iida, Aritoshi  
 APPLICANT: Saito, Osamu  
 TITLE OF INVENTION: Detection of Genetic Polymorphisms  
 FILE REFERENCE: FORS-06904  
 CURRENT APPLICATION NUMBER: US/10/035,833A  
 CURRENT FILING DATE: 2001-12-27  
 NUMBER OF SEQ ID NOS: 7669  
 SOFTWARE: Patent version 3.2  
 SEQ ID NO 4600  
 LENGTH: 41  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 FEATURE:  
 NAME/KEY: misc feature  
 LOCATION: (21)..(21)  
 OTHER INFORMATION: t is present or absent.  
 US-10-035-833A-4600

Query Match 2.5%; Score 19; DB 12; Length 41;  
 Best Local Similarity 100.0%; Pred. No. 55;  
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 461 TTTTTCCTTTTCATT 479  
 Db 14 TTTTTCCTTTTCATT 32

RESULT 3  
 US-10-282-174-524  
 Sequence 524, Application US/10282174  
 Publication No. US20030224380A1  
 GENERAL INFORMATION:  
 APPLICANT: Becker, Kenneth David  
 APPLICANT: Velicelebi, Gonul  
 APPLICANT: Elliot, Kathryn J.  
 APPLICANT: Wang, Xin  
 APPLICANT: Tanzi, Rudolph E.  
 APPLICANT: Bertram, Lars  
 APPLICANT: Saunders, Aleister J.  
 APPLICANT: Mullin, Kristina M.  
 APPLICANT: Sampson, Andrew Johnson  
 APPLICANT: Blacker, Deborah Lynne  
 TITLE OF INVENTION: GENES AND POLYMORPHISMS ON CHROMOSOME 10  
 TITLE OF INVENTION: ASSOCIATED WITH ALZHEIMER'S DISEASE AND OTHER  
 TITLE OF INVENTION: NEURODEGENERATIVE DISEASES  
 FILE REFERENCE: 37481-3308  
 CURRENT APPLICATION NUMBER: US/10/282,174  
 CURRENT FILING DATE: 2002-10-25  
 PRIOR APPLICATION NUMBER: US 60/339,525  
 PRIOR FILING DATE: 2001-10-25  
 PRIOR APPLICATION NUMBER: US 60/338,010  
 PRIOR FILING DATE: 2001-11-08  
 PRIOR APPLICATION NUMBER: US 60/336,929  
 PRIOR FILING DATE: 2001-11-08  
 PRIOR APPLICATION NUMBER: US 60/338,363  
 PRIOR FILING DATE: 2001-11-09  
 PRIOR APPLICATION NUMBER: US 60/337,052  
 PRIOR FILING DATE: 2001-12-04  
 PRIOR APPLICATION NUMBER: US 60/369,919  
 PRIOR FILING DATE: 2002-03-28  
 NUMBER OF SEQ ID NOS: 564  
 SOFTWARE: FastSeq for Windows Version 4.0  
 SEQ ID NO 524  
 LENGTH: 20  
 TYPE: DNA  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Primer  
 US-10-282-174-524

Query Match 2.4%; Score 18; DB 13; Length 20;  
 Best Local Similarity 100.0%; Pred. No. 1.8e+02;  
 Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 Qy 613 TCCCTCCCTGCTCTG 630  
 Db 3 TCCCTCCCTGCTCTG 20

RESULT 4  
 US-09-906-179A-157  
 Sequence 157, Application US/09906179A  
 Publication No. US20030219737A1  
 GENERAL INFORMATION:  
 APPLICANT: Bullard, James M.  
 APPLICANT: Janjic, Nebojsa  
 APPLICANT: McHenry, Charles S.  
 TITLE OF INVENTION: NOVEL DNA POLYMERASE III HOLOENZYME DELTA SUBUNIT  
 TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND PROTEINS  
 FILE REFERENCE: RDYN03  
 CURRENT APPLICATION NUMBER: US/09/906,179A  
 CURRENT FILING DATE: 2001-07-16  
 PRIOR APPLICATION NUMBER: 60/218,246  
 PRIOR FILING DATE: 2000-07-14  
 PRIOR APPLICATION NUMBER: 09/818,780  
 PRIOR FILING DATE: 2001-03-28  
 PRIOR APPLICATION NUMBER: 60/192,736  
 PRIOR FILING DATE: 2000-03-28  
 NUMBER OF SEQ ID NOS: 230  
 SOFTWARE: Patent in Ver. 2.0  
 SEQ ID NO 157  
 LENGTH: 32  
 TYPE: DNA  
 ORGANISM: Artificial Sequence  
 FEATURE:  
 OTHER INFORMATION: Description of Artificial Sequence: Primer  
 US-09-906-179A-157

Query Match 2.3%; Score 17; DB 11; Length 32;  
 Best Local Similarity 100.0%; Pred. No. 5.7e+02;  
 Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 167 CAGGAACCAATATT 183  
 Db 8 CAGGAACCAATATT 24

RESULT 5  
 US-10-282-174-525/c  
 Sequence 525, Application US/10282174  
 Publication No. US20030224380A1  
 GENERAL INFORMATION:  
 APPLICANT: Becker, Kenneth David  
 APPLICANT: Velicelebi, Gonul  
 APPLICANT: Elliot, Kathryn J.  
 APPLICANT: Wang, Xin  
 APPLICANT: Tanzi, Rudolph E.  
 APPLICANT: Bertram, Lars  
 APPLICANT: Saunders, Aleister J.  
 APPLICANT: Mullin, Kristina M.  
 APPLICANT: Sampson, Andrew Johnson  
 APPLICANT: Blacker, Deborah Lynne  
 TITLE OF INVENTION: GENES AND POLYMORPHISMS ON CHROMOSOME 10  
 TITLE OF INVENTION: ASSOCIATED WITH ALZHEIMER'S DISEASE AND OTHER  
 TITLE OF INVENTION: NEURODEGENERATIVE DISEASES  
 FILE REFERENCE: 37481-3308  
 CURRENT APPLICATION NUMBER: US/10/282,174  
 CURRENT FILING DATE: 2002-10-25  
 PRIOR APPLICATION NUMBER: US 60/339,525  
 PRIOR FILING DATE: 2001-10-25  
 PRIOR APPLICATION NUMBER: US 60/338,010  
 PRIOR FILING DATE: 2001-11-08



; PRIOR APPLICATION NUMBER: US 60/336,929  
; PRIOR FILING DATE: 2001-11-08  
; PRIOR APPLICATION NUMBER: US 60/338,363  
; PRIOR FILING DATE: 2001-11-09  
; PRIOR APPLICATION NUMBER: US 60/337,052  
; PRIOR FILING DATE: 2001-12-04  
; PRIOR APPLICATION NUMBER: US 60/368,919  
; PRIOR FILING DATE: 2002-03-28  
; NUMBER OF SEQ ID NOS: 564  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 525  
; LENGTH: 20  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Primer  
US-10-282-174-525

Query Match 2.1%; Score 16; DB 13; Length 20;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 613 TCCCTCCCTGCCCTC 628  
|||||  
Db 16 TCCCTCCCTGCCCTC 1

RESULT 6  
US-10-418-182-164/c  
; Sequence 164, Application US/10418182  
; Publication No. US20030228302A1  
; GENERAL INFORMATION:  
; APPLICANT: Crea, Roberto  
; TITLE OF INVENTION: UNIVERSAL LIBRARIES FOR IMMUNOGLOBULINS  
; FILE REFERENCE: 1551.2001-001  
; CURRENT APPLICATION NUMBER: US/10/418,182  
; CURRENT FILING DATE: 2003-04-16  
; PRIOR APPLICATION NUMBER: 60/373,558  
; PRIOR FILING DATE: 2002-04-17  
; NUMBER OF SEQ ID NOS: 423  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 164  
; LENGTH: 27  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: oligonucleotide  
US-10-418-182-164

Query Match 2.1%; Score 16; DB 16; Length 27;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 460 CTTTTCCTTTTCCTTC 475  
|||||  
Db 18 CTTTTCCTTTTCCTTC 3

RESULT 7  
US-10-416-699A-5/c  
; Sequence 5, Application US/10416699A  
; Publication No. US20040132031A1  
; GENERAL INFORMATION:  
; APPLICANT: Toyo Kohan Co., Ltd.  
; TITLE OF INVENTION: SUPPORTS FOR HYBRIDIZATION AND METHOD OF IMMOBILIZING HYBRID  
; FILE REFERENCE: OKAMURA-5  
; CURRENT APPLICATION NUMBER: US/10/416,699A  
; CURRENT FILING DATE: 2003-05-13  
; PRIOR APPLICATION NUMBER: JP2000/344651  
; PRIOR FILING DATE: 2000-11-13  
; PRIOR APPLICATION NUMBER: PCT/JP01/09798  
; PRIOR FILING DATE: 2001-11-09  
; NUMBER OF SEQ ID NOS: 5

; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 5  
; LENGTH: 27  
; TYPE: DNA  
; ORGANISM: Artificial  
; FEATURE:  
; OTHER INFORMATION: Synthetic  
US-10-416-699A-5

Query Match 2.1%; Score 16; DB 17; Length 27;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 710 ATGAACCTTTTTCCTT 725  
|||||  
Db 16 ATGAACCTTTTTCCTT 1

RESULT 8  
US-09-828-523A-87/c  
; Sequence 87, Application US/09828523A  
; Patent No. US20020168697A1  
; GENERAL INFORMATION:  
; APPLICANT: The Pharmacia & Upjohn Company  
; TITLE OF INVENTION: ANTIMICROBIAL METHODS AND MATERIALS  
; FILE REFERENCE: 268.62120101  
; CURRENT APPLICATION NUMBER: US/09/828,523A  
; CURRENT FILING DATE: 2001-04-06  
; PRIOR APPLICATION NUMBER: 60/266,327  
; PRIOR FILING DATE: 2000-04-06  
; NUMBER OF SEQ ID NOS: 99  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 87  
; LENGTH: 39  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Oligonucleotide Primer.  
US-09-828-523A-87

Query Match 2.1%; Score 16; DB 9; Length 39;  
Best Local Similarity 100.0%; Pred. No. 1.8e+03;  
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 463 TTTTTCCTTTTCCTT 478  
|||||  
Db 27 TTTTTCCTTTTCCTT 12

RESULT 9  
US-10-035-833A-5996/c  
; Sequence 5996, Application US/10035833A  
; Publication No. US20040072156A1  
; GENERAL INFORMATION:  
; APPLICANT: Nakamura, Yuhio  
; APPLICANT: Sekine, Akihiro  
; APPLICANT: Iida, Aritoshi  
; APPLICANT: Saito, Osamu  
; TITLE OF INVENTION: Detection of Genetic Polymorphisms  
; FILE REFERENCE: FORS-06904  
; CURRENT APPLICATION NUMBER: US/10/035,833A  
; CURRENT FILING DATE: 2001-12-27  
; NUMBER OF SEQ ID NOS: 7669  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 5996  
; LENGTH: 41  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (21)-(21)  
; OTHER INFORMATION: a is present or absent.  
US-10-035-833A-5996

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Query Match          2.1%; Score 16; DB 12; Length 41;
Best Local Similarity 100.0%; Pred. No. 1.8e+03; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 461 TTTTTCCTTTTCA 476
Db 20 TTTTTCCTTTTCA 5

RESULT 10
US-10-338-777-196/c
; Sequence 196, Application US/10338777
; Publication No. US20030188343A1
; GENERAL INFORMATION:
; APPLICANT: Lynx Therapeutics, Inc.
; APPLICANT: United States Department of Agriculture
; APPLICANT: Bower, Benjamin A
; APPLICANT: Haudenschild, Christian D
; APPLICANT: Buckler, Edward S
; TITLE OF INVENTION: Identification of Genes Associated with Growth in Plants
; FILE REFERENCE: 37-000510US
; CURRENT APPLICATION NUMBER: US/10/338,777
; CURRENT FILING DATE: 2003-01-07
; NUMBER OF SEQ ID NOS: 405
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 196
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-10-338-777-196

Query Match          2.0%; Score 15; DB 15; Length 17;
Best Local Similarity 100.0%; Pred. No. 5.8e+03; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 716 TTTTTCCTTTTTCATC 730
Db 15 TTTTTCCTTTTTCATC 1

RESULT 11
US-09-912-724-28/c
; Sequence 28, Application US/09912724
; Publication No. US20030083280A1
; GENERAL INFORMATION:
; APPLICANT: Rosanne M. Crooke
; APPLICANT: Mark J. Graham
; TITLE OF INVENTION: ANTISENSE MODULATION OF C-REACTIVE PROTEIN EXPRESSION
; FILE REFERENCE: ISPH-0584
; CURRENT APPLICATION NUMBER: US/09/912,724
; CURRENT FILING DATE: 2001-07-25
; NUMBER OF SEQ ID NOS: 63
; SEQ ID NO 28
; LENGTH: 20
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-912-724-28

Query Match          2.0%; Score 15; DB 10; Length 20;
Best Local Similarity 100.0%; Pred. No. 5.8e+03; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 273 GGCCAGGTCCTCTG 287
Db 15 GGCCAGGTCCTCTG 1

RESULT 12
US-09-263-959-524/c
; Sequence 524, Application US/09263959
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; Patent No. US20020150891A1
; GENERAL INFORMATION:
; APPLICANT: Hood, Leroy E.
; APPLICANT: Rowen, Lee
; APPLICANT: Koop, Ben F.
; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH UTI
; NUMBER OF SEQUENCES: 1279
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM: disk
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,959
; FILING DATE: 05-MAR-1999
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: McMahsters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 920010.426C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 524:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-263-959-524

Query Match          2.0%; Score 15; DB 9; Length 27;
Best Local Similarity 100.0%; Pred. No. 5.8e+03; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 461 TTTTTCCTTTTTC 475
Db 25 TTTTTCCTTTTTC 11

RESULT 13
US-09-841-513-9
; Sequence 9, Application US/09841513
; Publication No. US20020192649A1
; GENERAL INFORMATION:
; APPLICANT: Lizardi, Paul M. and Caplan, Michael
; TITLE OF INVENTION: Unimolecular Segment Amplification
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30306-3450
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/841,513
; FILING DATE: 24-Apr-2001
; CLASSIFICATION: <unknown>
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/754,681
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 60/016,677
; FILING DATE: MAY 1, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; REFERENCE/DOCKET NUMBER: YU115CIP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404)873-8794
; TELEFAX: (404)873-8795
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 9
US-09-841-513-9

Query Match          2.0%; Score 15; DB 9; Length 29;
Best Local Similarity 100.0%; Pred. No. 5.8e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 716 TTTTTCATGTC 730
Db 6 TTTTTCATGTC 20

RESULT 14
US-10-038-718-9
; Sequence 9, Application US/10038718
; Publication No. US20030032024A1
; GENERAL INFORMATION:
; APPLICANT: Lizardi, Paul M.
; TITLE OF INVENTION: Rolling Circle Replication Reporter Systems
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30306-3450
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/038,718
; FILING DATE: 02-Jan-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/563,912
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; REFERENCE/DOCKET NUMBER: YU115
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404)873-8794
; TELEFAX: (404)873-8795
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 9
US-10-038-718-9

Query Match          2.0%; Score 15; DB 9; Length 29;
Best Local Similarity 100.0%; Pred. No. 5.8e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 716 TTTTTCATGTC 730
Db 6 TTTTTCATGTC 20

RESULT 15
US-10-413-041-9
; Sequence 9, Application US/10413041
; Publication No. US20030235849A1
; GENERAL INFORMATION:
; APPLICANT: Lizardi, Paul M. and Caplan, Michael
; TITLE OF INVENTION: Unimolecular Segment Amplification
; AND SEQUENCING
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30306-3450
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/413,041
; FILING DATE: 14-Apr-2003
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/754,681
; FILING DATE: NO US20030235849A1ember 21, 1996
; APPLICATION NUMBER: 08/563,912
; FILING DATE: NO US20030235849A1ember 21, 1995
; APPLICATION NUMBER: 60/016,677
; FILING DATE: MAY 1, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Pabst, Patrea L.
; REGISTRATION NUMBER: 31,284
; REFERENCE/DOCKET NUMBER: YU115CIP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404)873-8794
; TELEFAX: (404)873-8795
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; SEQUENCE DESCRIPTION: SEQ ID NO: 9
US-10-413-041-9

Query Match          2.0%; Score 15; DB 16; Length 29;
Best Local Similarity 100.0%; Pred. No. 5.8e+03;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 716 TTTTTCATGTC 730
Db 6 TTTTTCATGTC 20
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Mon Sep 20 11:28:08 2004

us-09-477-082-2.oliszlm50.rnpb

Page 6

Db                   |||||||  
                  6 |||||||GATC 20

Search completed: September 16, 2004, 23:10:18  
Job time : 456.552 secs

GenCore version 5.1.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 12:06:21 ; Search time 37.5115 Seconds  
(without alignments)  
310.678 Million cell updates/sec

Title: US-09-477-082-29

Perfect score: 21  
Sequence: 1 taggggattcggagattgcga 21

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:\*

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2: /cgn2\_6/ptodata/2/ina/5B COMB.seq:\*

3: /cgn2\_6/ptodata/2/ina/6A COMB.seq:\*

4: /cgn2\_6/ptodata/2/ina/6B COMB.seq:\*

5: /cgn2\_6/ptodata/2/ina/PTUS COMB.seq:\*

6: /cgn2\_6/ptodata/2/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	17.8	84.8	2887	4	US-08-983-502-14 Sequence 14, Appl
2	17.8	84.8	2887	4	US-09-516-747-14 Sequence 14, Appl
3	17.8	84.8	2887	5	PCT-US96-10521-14 Sequence 14, Appl
4	15.4	73.3	1471	4	US-09-620-312D-446 Sequence 446, App
5	15.4	73.3	11272	4	US-09-341-461-1 Sequence 1, Appl
6	15.2	72.4	872	4	US-09-016-434-6 Sequence 6, Appl
7	15.2	72.4	5849	3	US-09-134-246-6 Sequence 6, Appl
8	15.2	72.4	42571	4	US-09-810-347-3 Sequence 3, Appl
9	15.2	72.4	168575	4	US-09-426-290-1 Sequence 1, Appl
10	15.2	72.4	4403765	3	US-09-103-840A-2 Sequence 2, Appl
11	15.2	72.4	4411529	3	US-09-103-840A-1 Sequence 1, Appl
12	14.8	70.5	152	4	US-09-621-976-12793 Sequence 12793, A
13	14.8	70.5	155	4	US-09-621-976-12743 Sequence 12743, A
14	14.8	70.5	987	4	US-09-543-681A-323 Sequence 323, App
15	14.6	69.5	419	4	US-09-000-266-1 Sequence 1, Appl
16	14.6	69.5	419	4	US-09-000-266-3 Sequence 3, Appl
17	14.6	69.5	419	4	US-09-628-099-1 Sequence 1, Appl
18	14.6	69.5	419	4	US-09-628-099-3 Sequence 3, Appl
19	14.6	69.5	419	4	US-10-056-360-1 Sequence 1, Appl
20	14.6	69.5	419	4	US-10-056-360-3 Sequence 3, Appl
21	14.6	69.5	419	4	US-10-056-359-1 Sequence 1, Appl
22	14.6	69.5	419	4	US-10-056-359-3 Sequence 3, Appl
23	14.6	69.5	885	4	US-09-107-532A-593 Sequence 593, App
24	14.6	69.5	1602	4	US-09-107-532A-885 Sequence 885, App
25	14.6	69.5	2260	4	US-09-889-463A-35 Sequence 35, Appl
26	14.6	69.5	3363	4	US-09-221-017B-862 Sequence 862, App
27	14.4	68.6	2596	4	US-09-808-701A-7 Sequence 7, Appl

c 28 14.2 67.6 276 1 US-08-181-492B-25 Sequence 25, Appl

c 29 14.2 67.6 276 1 US-08-181-492B-26 Sequence 26, Appl

c 30 14.2 67.6 276 5 PCT-US95-00408-25 Sequence 25, Appl

c 31 14.2 67.6 281 4 US-09-313-294A-3396 Sequence 3396, Ap

c 32 14.2 67.6 312 4 US-09-252-991A-12431 Sequence 12431, A

c 33 14.2 67.6 975 4 US-09-252-991A-12158 Sequence 12158, A

c 34 14.2 67.6 1188 3 US-09-064-693A-17 Sequence 17, Appl

c 35 14.2 67.6 1312 3 US-09-193-792-20 Sequence 20, Appl

c 36 14.2 67.6 1440 4 US-09-107-532A-2363 Sequence 2363, Ap

c 37 14.2 67.6 2021 3 US-09-193-792-2 Sequence 2, Appl

c 38 14.2 67.6 2122 4 US-09-833-381-1176 Sequence 1176, Ap

c 39 14.2 67.6 2251 4 US-09-549-872B-16 Sequence 16, Appl

c 40 14.2 67.6 2284 3 US-09-193-792-1 Sequence 1, Appl

c 41 14.2 67.6 3180 4 US-09-549-872B-6 Sequence 6, Appl

c 42 14.2 67.6 4086 1 US-08-313-181-1 Sequence 1, Appl

c 43 14.2 67.6 6641 3 US-09-064-693A-25 Sequence 25, Appl

c 44 14.2 67.6 7445 3 US-09-178-973B-8 Sequence 8, Appl

c 45 14.2 67.6 7445 4 US-09-419-568F-8 Sequence 8, Appl

#### ALIGNMENTS

RESULT 1

US-08-983-502-14

; Sequence 14, Application US/08983502

; Patent No. 6399327

GENERAL INFORMATION:

APPLICANT: David WALLACH

APPLICANT: Mark P. BOLDIN

APPLICANT: Tanya M. GONCHAROV

APPLICANT: Yuri V. GOLTSEV

TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS

TITLE OF INVENTION: AND OTHER PROTEINS

NUMBER OF SEQUENCES: 34

CORRESPONDENCE ADDRESS:

ADDRESSEE: Browdy and Neimark

STREET: 419 Seventh Street N.W., Ste. 300

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30.

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/983,502

FILING DATE: 16-JAN-1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US96/10521

FILING DATE: 14-JUN-1996

PRIOR APPLICATION DATA:

APPLICATION NUMBER: IL 114,615

FILING DATE: 16-JUL-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: IL 114,986

FILING DATE: 17-AUG-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: IL 115,319

FILING DATE: 14-SEP-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: IL 116,588

FILING DATE: 27-DEC-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: IL 117,932

FILING DATE: 16-APR-1996

ATTORNEY/AGENT INFORMATION:

NAME: Browdy, Roger L.

REGISTRATION NUMBER: 25,618

REFERENCE/DOCKET NUMBER: WALLACH=19

TELECOMMUNICATION INFORMATION:

```
; TELEPHONE: (202) 628-5197
; TELEFAX: (202) 737-3528
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2887 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
US-08-983-502-14
Query Match 84.8%; Score 17.8; DB 4; Length 2887;
Best Local Similarity 90.5%; Pred. No. 6;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TAGGGGATTCGGAGATTGCGA 21
Db 221 TAGGGGACTCGGAGACTGCGA 241

RESULT 2
US-09-516-747-14
; Sequence 14, Application US/09516747
; Patent No. 6586571
; GENERAL INFORMATION:
; APPLICANT: David WALLACH
; Mark P. BOLDIN
; Tanya M. GONCHAROV
; Yuri V. GOLTSEV
; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
; AND OTHER PROTEINS
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Browdy and Neimark
; STREET: 419 Seventh Street N.W., Ste. 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/516,747
; FILING DATE: 01-Mar-2000
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/983,502
; FILING DATE: unknown
; APPLICATION NUMBER: IL 114,615
; FILING DATE: 16-JUL-1995
; APPLICATION NUMBER: IL 114,986
; FILING DATE: 17-AUG-1995
; APPLICATION NUMBER: IL 115,319
; FILING DATE: 14-SEP-1995
; APPLICATION NUMBER: IL 116,588
; FILING DATE: 27-DEC-1995
; APPLICATION NUMBER: IL 117,932
; FILING DATE: 16-APR-1996
; NAME: Browdy, Roger L.
; ATTORNEY/AGENT INFORMATION:
; REFERENCE/DOCKET NUMBER: 25,618
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 628-5197
; TELEFAX: (202) 737-3528
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2887 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

; TELEPHONE: (202) 628-5197
; TELEFAX: (202) 737-3528
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2887 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

; MOLECULE TYPE: cdna
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-516-747-14
Query Match 84.8%; Score 17.8; DB 4; Length 2887;
Best Local Similarity 90.5%; Pred. No. 6;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TAGGGGATTCGGAGATTGCGA 21
Db 221 TAGGGGACTCGGAGACTGCGA 241

RESULT 3
PCT-US96-10521-14
; Sequence 14, Application PC/TUS9610521
; GENERAL INFORMATION:
; APPLICANT: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
; AND OTHER PROTEINS
; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
; AND OTHER PROTEINS
; NUMBER OF SEQUENCES: 34
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/10521
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 114,615
; FILING DATE: 16-JUL-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 114,986
; FILING DATE: 17-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 115,319
; FILING DATE: 14-SEP-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 116,588
; FILING DATE: 27-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 117,932
; FILING DATE: 16-APR-1996
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2887 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
PCT-US96-10521-14
Query Match 84.8%; Score 17.8; DB 5; Length 2887;
Best Local Similarity 90.5%; Pred. No. 6;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TAGGGGATTCGGAGATTGCGA 21
Db 221 TAGGGGACTCGGAGACTGCGA 241

RESULT 4
US-09-620-312D-446
; Sequence 446, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chinghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
```

APPLICANT: Chen, Rui-hong  
APPLICANT: Zhao, Qing A.  
APPLICANT: Wehrman, Tom  
APPLICANT: Xue, Aiding J.  
APPLICANT: Yang, Yonghong  
APPLICANT: Wang, Jian-Rui  
APPLICANT: Zhou, Ping  
APPLICANT: Ma, Yungqing  
APPLICANT: Wang, Dunrui  
APPLICANT: Wang, Zhiwei  
APPLICANT: John Tillinghast  
APPLICANT: Drmanac, Radoje T.  
TITLE OF INVENTION: No. 6569662e1 Nucleic Acids and  
TITLE OF INVENTION: Polypeptides  
FILE REFERENCE: 784CIP2B  
CURRENT APPLICATION NUMBER: US/09/620,312D  
CURRENT FILING DATE: 2000-07-19  
PRIOR APPLICATION NUMBER: 09/552,317  
PRIOR FILING DATE: 2000-04-25  
PRIOR APPLICATION NUMBER: 09/488,725  
PRIOR FILING DATE: 2000-01-21  
NUMBER OF SEQ ID NOS: 1105  
SOFTWARE: pt\_FL\_Genes Version 1.0  
SEQ ID NO 446  
LENGTH: 1471  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (904)..(1293)  
US-09-620-312D-446

Query Match 73.3%; Score 15.4; DB 4; Length 1471;  
Best Local Similarity 94.1%; Pred.No. 90;  
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 GGGGATTCGGAGATTGC 19  
Db 669 GAGGATTCGGAGATTGC 685

RESULT 5  
US-09-341-461-1/c  
Sequence 1, Application US/09341461  
Patent No. 6586389  
GENERAL INFORMATION:  
APPLICANT: Hammond, Timothy G.  
APPLICANT: Verroust, Pierre J.  
TITLE OF INVENTION: Cubilin Protein, DNA Sequences Encoding Cubilin  
TITLE OF INVENTION: and Uses Thereof  
FILE REFERENCE: D6148  
CURRENT APPLICATION NUMBER: US/09/341,461  
CURRENT FILING DATE: 2000-07-20  
PRIOR APPLICATION NUMBER: PCT/US99/01259  
PRIOR FILING DATE: 1999-01-21  
NUMBER OF SEQ ID NOS: 40  
SEQ ID NO 1  
LENGTH: 11272  
TYPE: DNA  
ORGANISM: rat  
FEATURE:  
OTHER INFORMATION: nucleic acid sequence of rat cubilin  
US-09-341-461-1

Query Match 73.3%; Score 15.4; DB 4; Length 11272;  
Best Local Similarity 94.1%; Pred.No. 1.2e+02;  
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 GGGGATTCGGAGATTGC 19  
Db 8562 GGGGATTCGGAAATTGC 8546

RESULT 6  
US-09-016-434-6  
Sequence 6, Application US/09016434  
Patent No. 6500938  
GENERAL INFORMATION:  
APPLICANT: Janice Au-Young  
APPLICANT: Jeffrey J. Sellhamer  
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING  
TITLE OF INVENTION: PATHWAY GENE EXPRESSION  
NUMBER OF SEQUENCES: 1490  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
STREET: 3174 PORTER DRIVE  
CITY: PALO ALTO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/016,434  
FILING DATE: HERewith  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Zeller, Karen J  
REGISTRATION NUMBER: 37,071  
REFERENCE/DOCKET NUMBER: PA-0002 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 855-0555  
TELEFAX: (650) 845-4166  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 872 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: THPLPLB01  
CLONE: 011615  
US-09-016-434-6

Query Match 72.4%; Score 15.2; DB 4; Length 872;  
Best Local Similarity 85.0%; Pred.No. 1.1e+02;  
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 AGGGGATTCGGAGATTGCGA 21  
Db 538 AGGAGATTCGGAGATTATGA 557

RESULT 7  
US-09-134-246-6/c  
Sequence 6, Application US/09134246B  
Patent No. 6207377  
GENERAL INFORMATION:  
APPLICANT: Wayne, Jay  
APPLICANT: Xu, Shuang-yong  
TITLE OF INVENTION: Method For Construction Of Thermus-E. coli Shuttle  
TITLE OF INVENTION: Vectors And Identification Of Two Thermus Plasmid  
TITLE OF INVENTION: Replication Origins  
FILE REFERENCE: Thermus Shuttle Vector  
CURRENT APPLICATION NUMBER: US/09/134,246B  
CURRENT FILING DATE: 1998-08-14  
NUMBER OF SEQ ID NOS: 30  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 6

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; NAME/KEY: CDS
; LOCATION: (128910)...(129139)
US-09-426-290-1

Query Match      72.4%; Score 15.2; DB 4; Length 168575;
Best Local Similarity 85.0%; Pred. No. 2e+02; 3; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGGGATTTCGAGATTGCGA 21
Db 29456 AGGGATTTCGAGATTGCGA 29475

RESULT 10
US-09-103-840A-2
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match      72.4%; Score 15.2; DB 3; Length 4403765;
Best Local Similarity 85.0%; Pred. No. 1.1e+02; 3; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGATTTCGAGATTGCG 20
Db 1931100 TAGAGATTTCGAGATTGCG 1931119

RESULT 11
US-09-103-840A-1
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; TITLE OF INVENTION: TUBERCULOSIS
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37RV
US-09-103-840A-1

Query Match      72.4%; Score 15.2; DB 3; Length 4411529;
Best Local Similarity 85.0%; Pred. No. 1.1e+02; 3; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

; LENGTH: 5849
; TYPE: DNA
; ORGANISM: Thermus sp.
US-09-134-246-6

Query Match      72.4%; Score 15.2; DB 3; Length 5849;
Best Local Similarity 85.0%; Pred. No. 1.4e+02; 3; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGGGATTTCGAGATTGCGA 21
Db 4909 AGGAGATTAGGAGATTGAGA 4890

RESULT 8
US-09-810-347-3
; Sequence 3, Application US/09810347
; Patent No. 6461847
; GENERAL INFORMATION:
; APPLICANT: YE, Jane et al.
; TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001169
; CURRENT APPLICATION NUMBER: US/09/810,347
; CURRENT FILING DATE: 2001-03-19
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 42571
; TYPE: DNA
; ORGANISM: Human
US-09-810-347-3

Query Match      72.4%; Score 15.2; DB 4; Length 42571;
Best Local Similarity 85.0%; Pred. No. 1.7e+02; 3; Indels 0; Gaps 0;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGGGATTTCGAGATTGCGA 21
Db 22240 AGGTAATCTGAGATTGCGA 22259

RESULT 9
US-09-426-290-1
; Sequence 1, Application US/09426290
; Patent No. 6410712
; GENERAL INFORMATION:
; APPLICANT: Berglind Ran Olafsdottir
; APPLICANT: Jeffrey Gulcher
; TITLE OF INVENTION: HUMAN NARCOLEPSY GENE
; FILE REFERENCE: 2345.2001-000
; CURRENT APPLICATION NUMBER: US/09/426,290
; CURRENT FILING DATE: 1999-10-25
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 168575
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (21181)...(21403)
; NAME/KEY: CDS
; LOCATION: (95252)...(95430)
; NAME/KEY: CDS
; LOCATION: (101753)...(101996)
; NAME/KEY: CDS
; LOCATION: (110324)...(110439)
; NAME/KEY: CDS
; LOCATION: (124058)...(124278)
; NAME/KEY: CDS
; LOCATION: (127009)...(127130)
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Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGATTGGAGATTGG 20  
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Db 1940329 TAGAGATTGGAGATCGG 1940348

RESULT 12  
US-09-621-976-12793  
; Sequence 12793, Application US/09621976  
; Patent No. 6639063  
; GENERAL INFORMATION:  
; APPLICANT: Dumas Milne Edwards, J.B.  
; APPLICANT: Jobert, S.  
; APPLICANT: Giordano, J.Y.  
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.  
; FILE REFERENCE: GENSET.054PR2  
; CURRENT APPLICATION NUMBER: US/09/621,976  
; CURRENT FILING DATE: 2000-07-21  
; NUMBER OF SEQ ID NOS: 19335  
; SOFTWARE: Patent.pm  
; SEQ ID NO 12793  
; LENGTH: 152  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-621-976-12793

Query Match 70.5%; Score 14.8; DB 4; Length 152;  
Best Local Similarity 88.9%; Pred. No. 1.4e+02;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 4 GGGATTGGAGATTGCGA 21  
||| ||||| ||||| |||||  
Db 62 GGGAGCGGAGATTGCGA 79

RESULT 13  
US-09-621-976-12743  
; Sequence 12743, Application US/09621976  
; Patent No. 6639063  
; GENERAL INFORMATION:  
; APPLICANT: Dumas Milne Edwards, J.B.  
; APPLICANT: Jobert, S.  
; APPLICANT: Giordano, J.Y.  
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.  
; FILE REFERENCE: GENSET.054PR2  
; CURRENT APPLICATION NUMBER: US/09/621,976  
; CURRENT FILING DATE: 2000-07-21  
; NUMBER OF SEQ ID NOS: 19335  
; SOFTWARE: Patent.pm  
; SEQ ID NO 12743  
; LENGTH: 155  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-621-976-12743

Query Match 70.5%; Score 14.8; DB 4; Length 155;  
Best Local Similarity 88.9%; Pred. No. 1.4e+02;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 4 GGGATTGGAGATTGCGA 21  
||| ||||| ||||| |||||  
Db 62 GGGAGCGGAGATTGCGA 79

RESULT 14  
US-09-543-681A-323  
; Sequence 323, Application US/09543681A  
; Patent No. 6605709  
; GENERAL INFORMATION:  
; APPLICANT: GARY BRETON  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS  
; TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: 2709.1002-001  
; CURRENT APPLICATION NUMBER: US/09/543,681A  
; CURRENT FILING DATE: 2000-04-05  
; PRIOR APPLICATION NUMBER: US 60/128,706  
; PRIOR FILING DATE: 1999-04-09  
; NUMBER OF SEQ ID NOS: 8344  
; SEQ ID NO 323  
; LENGTH: 987  
; TYPE: DNA  
; ORGANISM: Proteus mirabilis  
US-09-543-681A-323

Query Match 70.5%; Score 14.8; DB 4; Length 987;  
Best Local Similarity 88.9%; Pred. No. 1.7e+02;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TAGGGATTGGAGATTG 18  
||| ||||| ||||| |||||  
Db 200 TAGGGATTGGAGATAG 217

RESULT 15  
US-09-000-266-1  
; Sequence 1, Application US/09000266A  
; Patent No. 6322795  
; GENERAL INFORMATION:  
; APPLICANT: Shamanin, Vladimir  
; APPLICANT: De Villiers-Zur Hausen, Ethel-Michele  
; APPLICANT: Zur Hausen, Harald  
; TITLE OF INVENTION: PAPILLOMA VIRUSES, AGENTS FOR DETECTING  
; TITLE OF INVENTION: THEM AND FOR TREATING DISEASES CAUSED BY SUCH VIRUSES  
; FILE REFERENCE: 8484-0037-999  
; CURRENT APPLICATION NUMBER: US/09/000,266A  
; CURRENT FILING DATE: 1998-10-19  
; EARLIER APPLICATION NUMBER: PCT/DE96/01369  
; EARLIER FILING DATE: 1996-07-19  
; EARLIER APPLICATION NUMBER: DE P 195 26 386.3  
; EARLIER FILING DATE: 1995-07-19  
; NUMBER OF SEQ ID NOS: 30  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 1  
; LENGTH: 419  
; TYPE: DNA  
; ORGANISM: Papilloma virus  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)...(417)  
US-09-000-266-1

Query Match 69.5%; Score 14.6; DB 4; Length 419;  
Best Local Similarity 81.0%; Pred. No. 2e+02;  
Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 TAGGGATTGGAGATTGCGA 21  
||| ||||| ||||| |||||  
Db 30 TATAGATTGGAGATTGCGA 50

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Job time : 55.5115 secs

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 15:53:12 ; Search time 187.076 Seconds  
(without alignments)  
566.594 Million cell updates/sec

Title: US-09-477-082-29  
Perfect score: 21  
Sequence: 1 taggggattcgagattgcga 21

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Gapop 10.0 , Gapext 1.0

Searched: 3327077 seqs, 2523723180 residues

Total number of hits satisfying chosen parameters: 6654154

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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12: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq.\*  
13: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq.\*  
14: /cgn2\_6/ptodata/2/pubpna/US10A\_PUBCOMB.seq.\*  
15: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq.\*  
16: /cgn2\_6/ptodata/2/pubpna/US10C\_PUBCOMB.seq.\*  
17: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq.\*  
18: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq.\*  
19: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	17.8	84.8	60	10	US-09-908-975-31650 Sequence 31650, A
2	17.8	84.8	2887	16	US-10-368-438-14 Sequence 14, Appl
3	17.4	82.9	8951	15	US-10-311-455-767 Sequence 767, App
4	16.8	80.0	5518	15	US-10-311-455-190 Sequence 190, App
5	16.8	80.0	5518	15	US-10-240-452-18 Sequence 18, Appl
6	16.2	77.1	404	17	US-10-767-701-27172 Sequence 27172, A
7	16.2	77.1	1196	17	US-10-767-701-12513 Sequence 12513, A
8	15.8	75.2	116	13	US-10-085-783A-27470 Sequence 27470, A
9	15.8	75.2	116	16	US-10-242-535A-27470 Sequence 27470, A
10	15.8	75.2	493	16	US-10-062-674-340 Sequence 340, App
11	15.8	75.2	495	9	US-09-873-880-7 Sequence 7, Appl
12	15.8	75.2	1362	9	US-09-873-880-29 Sequence 29, Appl
13	15.8	75.2	1519	13	US-10-424-599-125852 Sequence 125852, A
14	15.8	75.2	5546	15	US-10-311-455-364 Sequence 364, App

15 15.8 75.2 5546 17 US-10-311-507-92 Sequence 92, Appl  
16 15.8 75.2 6973 17 US-10-311-455-1751 Sequence 1751, Ap  
17 15.8 75.2 13627 17 US-10-433-793-6 Sequence 6, Appli  
18 15.8 75.2 15664 13 US-10-087-192-877 Sequence 877, App  
19 15.8 75.2 73967 13 US-10-087-192-886 Sequence 886, App  
20 15.8 75.2 3673778 15 US-10-312-841-1 Sequence 1, Appli  
21 15.8 75.2 259 13 US-10-424-599-91019 Sequence 91019, A  
22 15.4 73.3 906 13 US-10-424-599-130722 Sequence 130722, A  
23 15.4 73.3 950 17 US-10-437-963-41243 Sequence 41243, A  
24 15.4 73.3 1471 15 US-10-037-270-446 Sequence 446, App  
25 15.4 73.3 1471 16 US-10-117-722-446 Sequence 446, App  
26 15.4 73.3 2130 13 US-10-424-599-70370 Sequence 70370, A  
27 15.4 73.3 6482 17 US-10-240-589C-55 Sequence 55, Appl  
28 15.4 73.3 8091 9 US-09-961-527A-6 Sequence 6, Appli  
29 15.4 73.3 10872 12 US-10-152-319A-1984 Sequence 1984, Ap  
30 15.4 73.3 14955 9 US-09-961-527A-1 Sequence 1, Appli  
31 15.4 73.3 16914 13 US-10-221-613-214 Sequence 214, App  
32 15.4 73.3 42339 13 US-10-087-192-991 Sequence 991, App  
33 15.4 73.3 2731748 17 US-10-297-465A-1 Sequence 1, Appli  
34 15.4 73.3 3673778 15 US-10-312-841-2 Sequence 2, Appli  
35 15.2 72.4 282 9 US-09-294-093B-1232 Sequence 1232, Ap  
36 15.2 72.4 285 9 US-09-294-093B-775 Sequence 775, App  
37 15.2 72.4 342 9 US-09-770-791-820 Sequence 820, App  
38 15.2 72.4 470 9 US-09-770-791-192 Sequence 192, App  
39 15.2 72.4 474 12 US-09-923-293-3533 Sequence 3533, Ap  
40 15.2 72.4 531 13 US-10-424-599-9491 Sequence 9491, Ap  
41 15.2 72.4 580 13 US-10-027-632-30065 Sequence 30065, A  
42 15.2 72.4 580 16 US-10-027-632-30065 Sequence 30065, A  
43 15.2 72.4 630 13 US-10-027-632-187638 Sequence 187638, A  
44 15.2 72.4 630 16 US-10-027-632-187638 Sequence 187638, A  
45 15.2 72.4 642 13 US-10-027-632-250518 Sequence 250518, A

## ALIGNMENTS

## RESULT 1

US-09-908-975-31650  
; Sequence 31650, Application US/09908975  
; Publication No. US20030165843A1  
; GENERAL INFORMATION:  
; APPLICANT: SHOSHAN, Avi  
; APPLICANT: WASSERMAN, Alon  
; APPLICANT: MINTZ, Eli  
; APPLICANT: MINTZ, Liat  
; APPLICANT: FAIGLER, Simchon  
; TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLICE  
; FILE REFERENCE: 36688-0005  
; CURRENT APPLICATION NUMBER: US/09/908,975  
; CURRENT FILING DATE: 2001-07-20  
; PRIOR APPLICATION NUMBER: US 60/287,724  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: US 60/221,607  
; PRIOR FILING DATE: 2000-07-28  
; NUMBER OF SEQ ID NOS: 32337  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 31650  
; LENGTH: 60  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-908-975-31650

Query Match 84.8%; Score 17.8; DB 10; Length 60;  
Best Local Similarity 90.5%; Pred. No. 38;  
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TAGGGGATTGCGAGATTGCGA 21  
| | | | | | | | | | | | | | | | | | | | | |  
Db 19 TAGGGGACTCGGAGACTGCGA 39

## RESULT 2



```

1  APPLICANT: Cao, Yongwei
2  TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
3  TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
4  FILE REFERENCE: 38-21(53535) B
5  CURRENT APPLICATION NUMBER: US/10/767,701
6  CURRENT FILING DATE: 2004-01-29
7  NUMBER OF SEQ ID NOS: 63128
8  SEQ ID NO 12513
9  LENGTH: 1196
10 TYPE: DNA
11 ORGANISM: Sorghum bicolor
12 FEATURE:
13 OTHER INFORMATION: Clone ID: SORBI-28MAY03-CLUS16581_1
14 US-10-767-701-12513

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Query Match	77.1%;	Score 16.2;	DB 17;	Length 1196;
Best Local Similarity	85.7%;	Pred. No. 2.7e+02;		
Matches 18:	Conservative	0;	Mismatches 3;	Indels 0;
				Gaps 0;

	QY	1 TAGGGGATTTCGGAGATTGCCA 21
	nb	94 TTGGGGGATTTGCAGATTGCTA 74

## RESULT 8

US-10-085-783A-27470  
; Sequence 27470, Application US/10085783A  
; Publication No. US20040037841A1  
; GENERAL INFORMATION:  
; APPLICANT: ChondroGene Inc.

; APPLICANT: Liew, C.C.

```

; TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis
; FILE REFERENCE: 4231/2002
; CURRENT APPLICATION NUMBER: US/10/085,783A
; CURRENT FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 60/305,340
; PRIOR FILING DATE: 2001-07-13
; PRIOR APPLICATION NUMBER: US 60/275,017
; PRIOR FILING DATE: 2001-03-12
; PRIOR APPLICATION NUMBER: US 60/271,955
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 58994
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 27470
; LENGTH: 116
; TYPE: DNA
; ORGANISM: Human
; US-10-085-783A-27470

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Query Match	75.2%	Score 15.8;	DB 13;	Length 116;
Best Local Similarity	89.5%	Pred. No. 3.9e+02;		
Matches 17: Conservative	0:	Mismatches 2:	Indels 0:	Gaps 0:

QY 2 AGGGATTTCGGAGATTTCG 20  
||| ||| ||| ||| ||| ||| ||| |||  
40 AGCGGACCGGAGATTTCG 58

## RESULT 9

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US-10-242-535A-27470
; Sequence 27470, Application US/10242535A
; Publication No. US20040013663A1
; GENERAL INFORMATION:
; APPLICANT: ChondroGene Inc.
; APPLICANT: Liew, C.C.
; TITLE OF INVENTION: Compositions and Methods
; FILE REFERENCE: 4231/2005
; CURRENT APPLICATION NUMBER: US/10/242,535
; CURRENT FILING DATE: 2002-09-12
; PRIOR APPLICATION NUMBER: US 10/085,793
; PRIOR FILING DATE: 2002-02-28
; PRIOR APPLICATION NUMBER: US 00/305,340
; PRIOR FILING DATE: 2001-07-13

```

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/ APPLICANT: OLEK, Alexander
/ APPLICANT: PIEPERROCK, Christian
/ APPLICANT: BERLIN, Kurt
/ TITLE OF INVENTION: Diagnosis of Diseases Associated with Apoptosis
/ FILE REFERENCE: 5013.1006
/ CURRENT APPLICATION NUMBER: US/10/240,452
/ CURRENT FILING DATE: 2002-10-02
/ PRIOR APPLICATION NUMBER: PCT/EP01/03969
/ PRIOR FILING DATE: 2001-04-06
/ PRIOR APPLICATION NUMBER: DE 10019058.8
/ PRIOR FILING DATE: 2000-04-06
/ PRIOR APPLICATION NUMBER: DE 10019173.8
/ PRIOR FILING DATE: 2000-04-07
/ PRIOR APPLICATION NUMBER: DE 10032529.7
/ PRIOR FILING DATE: 2000-06-30
/ PRIOR APPLICATION NUMBER: DE 10043826.1
/ PRIOR FILING DATE: 2000-09-01
/ NUMBER OF SEQ ID NOS: 78
/ SEQ ID NO 18
/ LENGTH: 5518
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
/ US-10-240-452-18

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Query Match	80.0%;	Score 16.8;	DB 15;	Length 5518;
Best Local Similarity	90.0%;	Pred. No. 1.4e+02;		
Matches	18.	Conservative	0: Mismatches	2: Indels
			0: Gaps	0: Gaps

QY 1 TAGGGGATTCGGAGATTGCG 20  
|||  
Dh 46 TAGGGGATTAGGAGATTGTG 65

9 JUL 1958

```

US-10-767-701-27172
; Sequence 27172, Application US/10767701
; Publication No. US20040172864A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 27172
; LENGTH: 404
; TYPE: DNA
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: 6674594
US-10-767-701-27172

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Query Match	77.1%;	Score 16.2;	DB 17;	Length 404;
Best Local Similarity	85.7%;	Pred. No. 2.6e+02;		
Matches	19. Conservative	0. Mismatches	3. Indels	0. Gaps

QY 1 TAGGGGATTCCGAGATTGCGA 21

RESULT 7  
US-10-767-701-12513/c  
; Sequence 12513, Application US/107677701  
; Publication No. US20040172884A1  
; GENERAL INFORMATION:  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua

; PRIOR APPLICATION NUMBER: US 60/275,017  
; PRIOR FILING DATE: 2001-03-12  
; PRIOR APPLICATION NUMBER: US 60/271,955  
; PRIOR FILING DATE: 2001-02-28  
; NUMBER OF SEQ ID NOS: 58994  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 27470  
; LENGTH: 116  
; TYPE: DNA  
; ORGANISM: Human  
US-10-242-535A-27470

Query Match 75.2%; Score 15.8; DB 16; Length 116;  
Best Local Similarity 89.5%; Pred. No. 3.9e+02;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 AGGGGATTCGAGATTGCG 20  
||||| |||||||  
Db 40 AGGGGACCGGAGATTGCG 58

## RESULT 10

US-10-062-674-340/c  
; Sequence 340, Application US/10062674  
; Publication No. US20040005559A1  
; GENERAL INFORMATION:  
; APPLICANT: Loring, Jeanne F.; Kaser, Matthew R.  
; TITLE OF INVENTION: MARKERS OF NEURONAL DIFFERENTIATION AND MORPHOGENESIS  
; FILE REFERENCE: PA-0026-1 CIP  
; CURRENT APPLICATION NUMBER: US/10/062,674  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: US 09/625,102  
; PRIOR FILING DATE: 2000-07-24  
; NUMBER OF SEQ ID NOS: 2217  
; SOFTWARE: PERL Program  
; SEQ ID NO 340  
; LENGTH: 493  
; TYPE: DNA  
; ORGANISM: Mus musculus  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: GenBank ID No. US20040005559A1 gl909378  
US-10-062-674-340

Query Match 75.2%; Score 15.8; DB 16; Length 493;  
Best Local Similarity 89.5%; Pred. No. 4.1e+02;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TAGGGGATTCGAGATTGC 19  
||||| |||||||  
Db 432 TAGGGGATTCGAGGTAGC 414

## RESULT 11

US-09-873-880-7/c  
; Sequence 7, Application US/09873880  
; Patent No. US20020123118A1  
; GENERAL INFORMATION:  
; APPLICANT: Sewalt, Vincent  
; APPLICANT: Falco, S. Carl  
; APPLICANT: Allen, Stephen M.  
; TITLE OF INVENTION: GLYCINE METABOLISM ENZYMES  
; FILE REFERENCE: B01192 US CIP  
; CURRENT APPLICATION NUMBER: US/09/873,880  
; CURRENT FILING DATE: 2001-06-04  
; PRIOR APPLICATION NUMBER: 09/363,321  
; PRIOR FILING DATE: July 28, 1999  
; PRIOR APPLICATION NUMBER: 60/094,839  
; PRIOR FILING DATE: July 31, 1998  
; NUMBER OF SEQ ID NOS: 42  
; SOFTWARE: Microsoft Office 97  
; SEQ ID NO 7  
; LENGTH: 495

; TYPE: DNA  
; ORGANISM: Glycine max  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: (382)  
; OTHER INFORMATION: n=A, C, G, or T  
; NAME/KEY: unsure  
; LOCATION: (454)  
; OTHER INFORMATION: n=A, C, G, or T  
US-09-873-880-7

Query Match 75.2%; Score 15.8; DB 9; Length 495;  
Best Local Similarity 89.5%; Pred. No. 4.1e+02;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 AGGGGATTCGAGATTGCG 20  
||||| |||||||  
Db 353 AGGGGATTCGAGGTGCG 335

## RESULT 12

US-09-873-880-29/c  
; Sequence 29, Application US/09873880  
; Patent No. US20020123118A1  
; GENERAL INFORMATION:  
; APPLICANT: Sewalt, Vincent  
; APPLICANT: Falco, S. Carl  
; APPLICANT: Allen, Stephen M.  
; TITLE OF INVENTION: GLYCINE METABOLISM ENZYMES  
; FILE REFERENCE: B01192 US CIP  
; CURRENT APPLICATION NUMBER: US/09/873,880  
; CURRENT FILING DATE: 2001-06-04  
; PRIOR APPLICATION NUMBER: 09/363,321  
; PRIOR FILING DATE: July 28, 1999  
; PRIOR APPLICATION NUMBER: 60/094,839  
; PRIOR FILING DATE: July 31, 1998  
; NUMBER OF SEQ ID NOS: 42  
; SOFTWARE: Microsoft Office 97  
; SEQ ID NO 29  
; LENGTH: 1362  
; TYPE: DNA  
; ORGANISM: Glycine max  
US-09-873-880-29

Query Match 75.2%; Score 15.8; DB 9; Length 1362;  
Best Local Similarity 89.5%; Pred. No. 4.3e+02;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 AGGGGATTCGAGATTGCG 20  
||||| |||||||  
Db 360 AGGGGATTCGAGGTGCG 342

## RESULT 13

US-10-424-599-125852/c  
; Sequence 125852, Application US/10424599  
; Publication No. US20040031072A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J  
; APPLICANT: Kovacic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53223)B  
; CURRENT APPLICATION NUMBER: US/10/424,599  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO 125852  
; LENGTH: 1519  
; TYPE: DNA  
; ORGANISM: Glycine max  
; FEATURE:

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; OTHER INFORMATION: Clone ID: PAT_MRT3847_84653C.1
US-10-424-599-125852

Query Match          75.2%; Score 15.8; DB 13; Length 1519;
Best Local Similarity 89.5%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      2 AGGGGATTGGGAGATTGCG 20
DB      482 AGGGGATTGGGAGATTGCG 464
      |||||
      |||||

RESULT 14
US-10-311-455-364
; Sequence 364, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining the Methylation of Cytosine
; TITLE OF INVENTION: cytosine methylation
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311.455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 364
; LENGTH: 5546
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-364

Query Match          75.2%; Score 15.8; DB 15; Length 5546;
Best Local Similarity 89.5%; Pred. No. 4.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      2 AGGGGATTGGGAGATTGCG 20
DB      5406 AGAGGATTCGGAGATTGGG 5424
      |||||
      |||||

RESULT 15
US-10-311-507-92
; Sequence 92, Application US/10311507
; Publication No. US20040115630A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Method and nucleic acids for the analysis of astrocytomas
; FILE REFERENCE: 5013.1013
; CURRENT APPLICATION NUMBER: US/10/311.507
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07538
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 136
; SEQ ID NO 92
; LENGTH: 5546
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
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; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-507-92

Query Match          75.2%; Score 15.8; DB 17; Length 5546;
Best Local Similarity 89.5%; Pred. No. 4.6e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      2 AGGGGATTGGGAGATTGCG 20
DB      5406 AGAGGATTCGGAGATTGGG 5424
      |||||
      |||||

Search completed: September 16, 2004, 20:53:32
Job time : 197.076 secs
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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 12:06:21 ; Search time 39.2977 Seconds  
(without alignments)  
310.678 Million cell updates/sec

Title: US-09-477-082-30

Perfect score: 22  
Sequence: 1 cgtatattacattcgaaacga 22

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents NA: \*  
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2: /cgn2\_6/ptodata/2/ina/5B-COMB.seq: \*  
3: /cgn2\_6/ptodata/2/ina/5A-COMB.seq: \*  
4: /cgn2\_6/ptodata/2/ina/5B-COMB.seq: \*  
5: /cgn2\_6/ptodata/2/ina/pCTUS-COMB.seq: \*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	15.6	70.9	720	US-09-134-000C-147	Sequence 147, Appl
2	15.4	70.0	348	US-08-956-171E-1583	Sequence 1583, Ap
3	15.2	69.1	999	US-09-134-001C-1178	Sequence 1178, Ap
4	15.2	69.1	4212	US-09-221-017B-39	Sequence 39, Appl
5	14.8	67.3	705	US-09-107-532A-2305	Sequence 2305, Ap
6	14.8	67.3	1992	US-09-134-078-57	Sequence 57, Appl
7	14.8	67.3	2018	US-09-221-017B-1034	Sequence 1034, Ap
8	14.8	67.3	2043	US-09-134-078-11	Sequence 11, Appl
9	14.8	67.3	2154	US-09-543-681A-1534	Sequence 1534, Ap
10	14.8	67.3	2237	US-08-914-999-7	Sequence 7, Appl
11	14.8	67.3	2694	US-08-975-703-5	Sequence 5, Appl
12	14.8	67.3	2694	US-09-515-884-5	Sequence 5, Appl
13	14.8	67.3	2948	US-09-075-460-9	Sequence 9, Appl
14	14.8	67.3	5455	US-10-204-708-33	Sequence 33, Appl
15	14.6	66.4	400	US-08-956-171E-3986	Sequence 3986, Ap
16	14.6	66.4	469	US-08-468-347-23	Sequence 23, Appl
17	14.6	66.4	469	US-08-226-264-25	Sequence 25, Appl
18	14.6	66.4	469	US-08-467-389-23	Sequence 23, Appl
19	14.6	66.4	469	US-08-779-379-23	Sequence 23, Appl
20	14.6	66.4	469	US-08-469-219-23	Sequence 23, Appl
21	14.6	66.4	469	US-09-228-152-23	Sequence 23, Appl
22	14.6	66.4	476	US-09-621-976-15628	Sequence 15628, A
23	14.6	66.4	630	US-09-636-215-633	Sequence 633, Ap
24	14.6	66.4	630	US-09-685-166A-633	Sequence 633, Appl
25	14.6	66.4	780	US-09-134-001C-1631	Sequence 1631, Ap
26	14.6	66.4	951	US-09-543-681A-2898	Sequence 2898, Ap
27	14.6	66.4	1239	US-09-543-681A-4146	Sequence 4146, Ap

28 14.6 66.4 1245 4 US-09-107-532A-2460 Sequence 2460, Ap  
29 14.6 66.4 1407 4 US-09-023-655-412 Sequence 412, Appl  
C 30 14.6 66.4 1410 2 US-08-975-316-86 Sequence 86, Appl  
C 31 14.6 66.4 1410 4 US-09-615-192A-86 Sequence 86, Appl  
C 32 14.6 66.4 1410 4 US-09-169-789-86 Sequence 86, Appl  
33 14.6 66.4 1506 4 US-09-134-000C-1288 Sequence 1288, Ap  
34 14.6 66.4 1818 4 US-09-543-681A-719 Sequence 719, Appl  
35 14.6 66.4 2212 4 US-09-232-160-12 Sequence 12, Appl  
C 36 14.6 66.4 2217 4 US-09-107-532A-2564 Sequence 2564, Ap  
37 14.6 66.4 2710 4 US-09-800-729-16 Sequence 16, Appl  
38 14.6 66.4 2728 4 US-09-232-160-1 Sequence 1, Appl  
39 14.6 66.4 2752 4 US-09-800-729-50 Sequence 50, Appl  
40 14.6 66.4 3504 3 US-08-857-076-47 Sequence 47, Appl  
C 41 14.6 66.4 3959 1 US-08-474-067-1 Sequence 1, Appl  
C 42 14.6 66.4 3959 2 US-08-474-068A-1 Sequence 1, Appl  
C 43 14.6 66.4 3959 2 US-08-472-481-1 Sequence 1, Appl  
44 14.6 66.4 5444 4 US-09-566-921-114 Sequence 114, Appl  
45 14.6 66.4 8536 4 US-08-956-171E-278 Sequence 278, Appl

#### ALIGNMENTS

##### RESULT 1

US-09-134-000C-147

; Sequence 147, Application US/09134000C

; Patent No. 6617156

; GENERAL INFORMATION:

; APPLICANT: Lynn Doucette-Stamm et al

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO

; FILE REFERENCE: 032796-032

; CURRENT APPLICATION NUMBER: US/09/134,000C

; CURRENT FILING DATE: 1998-08-13

; PRIOR APPLICATION NUMBER: US 60/055,778

; PRIOR FILING DATE: 1997-08-15

; NUMBER OF SEQ ID NOS: 6812

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 147

; LENGTH: 720

; TYPE: DNA

; ORGANISM: Enterococcus faecalis

US-09-134-000C-147

Query Match 70.9%; Score 15.6; DB 4; Length 720;  
Best Local Similarity 81.8%; Pred. No. 93;  
Matches 18; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 CGTATATCTACATCGAAACGA 22

Db 588 CGTAGATCTACCTTCAAAACCA 609

##### RESULT 2

US-08-956-171E-1583/c

; Sequence 1583, Application US/08956171E

; Patent No. 6593114

; GENERAL INFORMATION:

; APPLICANT: Charles Kursch

; Gil H. Choi

; Patrick S. Dillon

; Steven C. Barash

; Michael R. Fannon

; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

; NUMBER OF SEQUENCES: 5256

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Human Genome Sciences, Inc.

; STREET: 9410 Key West Avenue

; CITY: Rockville

; STATE: Maryland

; COUNTRY: USA

; ZIP: 20850

```
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/956,171E
; FILING DATE: 20-Oct-1997
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/009,861
; FILING DATE: January 5, 1996
; APPLICATION NUMBER: 08/781,986
; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Hyman
; REGISTRATION NUMBER: 45,789
; REFERENCE/DOCKET NUMBER: PE248P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 1583:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 348 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1583:
US-08-956-171E-1583

Query Match 70.0%; Score 15.4; DB 4; Length 348;
Best Local Similarity 94.1%; Pred. No. 1.1e+02;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 TATATCTACATTCGAA 19
Db 206 TATATCTACATTGAAA 190

RESULT 3
US-09-134-001C-1178/c
; Sequence 1178, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; FILE REFERENCE: GPC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 1178
; LENGTH: 999
; TYPE: DNA
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-1178

Query Match 69.1%; Score 15.2; DB 4; Length 999;
Best Local Similarity 85.0%; Pred. No. 1.5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 3 TATATCTACATTCGAAACGA 22
Db 508 TATATCTACTATTGAAACGA 489

RESULT 4
US-09-221-017B-39/c
; Sequence 39, Application US/09221017B
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; Patent No. 6444799
; GENERAL INFORMATION:
; APPLICANT: Ross, Bruce C.
; TITLE OF INVENTION: P. GINGIVALIS NUCLEOTIDES AND USES THEREOF
; NUMBER OF SEQUENCES: 1120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 PAGE MILL ROAD
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/221,017B
; FILING DATE: 23-DEC-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PP1182
; FILING DATE: 31-DEC-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PP1546
; FILING DATE: 30-JAN-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PP2911
; FILING DATE: 09-APR-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/AU98/01023
; FILING DATE: 10-DEC-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Monroy, Gladys H
; REGISTRATION NUMBER: 32,430
; REFERENCE/DOCKET NUMBER: 27340-20021.00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-813-5600
; TELEFAX: 650-494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4212 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: UNKNOWN
; ORIGINAL SOURCE:
; ORGANISM: PORPHYROMONAS GINGIVALIS
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..4212
US-09-221-017B-39

Query Match 69.1%; Score 15.2; DB 4; Length 4212;
Best Local Similarity 85.0%; Pred. No. 1.7e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 3 TATATCTACATTCGAAACGA 22
Db 2978 TATATATAATTAGAAACGA 2959

RESULT 5
US-09-107-532A-2305
; Sequence 2305, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
```

0; 5aps

APPLICATION NUMBER: PCT/AU98/01023  
FILING DATE: 10-DEC-1998  
ATTORNEY/AGENT INFORMATION:  
NAME: Monroy, Gladys H  
REGISTRATION NUMBER: 32,430  
REFERENCE/DOCKET NUMBER: 27340-20021.00  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-813-5600  
TELEFAX: 650-494-0792  
TELEX: 706141  
INFORMATION FOR SEQ ID NO: 1034:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2018 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: circular  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: UNKNOWN  
ORIGINAL SOURCE:  
ORGANISM: PORYPHYROMONAS GINGIVALIS  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: 1...2018  
US-09-221-017B-1034  
Query Match 67.3%; Score 14.8; DB 4; Length 2018;  
Best Local Similarity 88.9%; Pred. No. 2.5e+02;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
Qy 5 TATCTACATTCGAAACGA 22  
Db 1169 TATCGACATTCGATACGA 1152  
RESULT 8  
US-09-134-078-11  
Sequence 11, Application US/09134078  
Patent No. 6368844  
GENERAL INFORMATION:  
APPLICANT: Bylina, Edward J.  
TITLE OF INVENTION: GLYCOSIDASE ENZYMES  
NUMBER OF SEQUENCES: 72  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Gray Cary Ware & Freidenrich LLP  
STREET: 4365 Executive Drive, Suite 1600  
CITY: San Diego  
STATE: CA  
COUNTRY: USA  
ZIP: 92121  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/134,078  
FILING DATE: 13-AUG-1998  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/949,026  
FILING DATE: 10-OCT-1997  
APPLICATION NUMBER: 60/056,916  
FILING DATE: 06-DEC-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Haile, Lisa A.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 09010/024002  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 858/677-1456  
TELEFAX: 858/677-1465  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:

LENGTH: 2043 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: Genomic DNA  
FEATURE:  
NAME/KEY: Coding Sequence  
LOCATION: 1...2040  
US-09-134-078-11  
Query Match 67.3%; Score 14.8; DB 4; Length 2043;  
Best Local Similarity 88.9%; Pred. No. 2.5e+02;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
Qy 4 ATATCTACATTCGAAACG 21  
Db 1754 ACACTACATTCGAAACG 1771  
RESULT 9  
US-09-543-681A-1534/c  
Sequence 1534, Application US/09543681A  
Patent No. 6605709  
GENERAL INFORMATION:  
APPLICANT: GARY BRETON  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS  
FILE REFERENCE: 2709.1002-001  
CURRENT APPLICATION NUMBER: US/09/543,681A  
CURRENT FILING DATE: 2000-04-05  
PRIOR APPLICATION NUMBER: US 60/138,706  
PRIOR FILING DATE: 1999-04-09  
NUMBER OF SEQ ID NOS: 8344  
SEQ ID NO 1534  
LENGTH: 2154  
TYPE: DNA  
ORGANISM: Proteus mirabilis  
US-09-543-681A-1534  
Query Match 67.3%; Score 14.8; DB 4; Length 2154;  
Best Local Similarity 88.9%; Pred. No. 2.5e+02;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
Qy 1 CCTATATCTACATTCGAA 18  
Db 191 CGGATATCGACATTCGAA 174  
RESULT 10  
US-08-914-999-7/c  
Sequence 7, Application US/08914999  
Patent No. 6346406  
GENERAL INFORMATION:  
APPLICANT: Ryazanov, Alexey G.  
APPLICANT: Hait, William S.  
APPLICANT: Faur, Karen S.  
TITLE OF INVENTION: ELONGATION FACTOR-2 KINASE (EF-2 KINASE)  
TITLE OF INVENTION: AND METHODS OF USE THEREFOR  
NUMBER OF SEQUENCES: 25  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: David A. Jackson, Esq.  
STREET: 411 Hackensack Ave, Continental Plaza, 4th  
STREET: Floor  
CITY: Hackensack  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07601  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:

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; APPLICATION NUMBER: US/08/914,999
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Jackson Esq., David A.
; REGISTRATION NUMBER: 26,742
; REFERENCE/DOCKET NUMBER: 601-1-078
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-487-5800
; TELEFAX: 201-343-1684
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2237 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Dictyostellium discoideum
;
US-08-914-999-7

Query Match 67.3%; Score 14.8; DB 4; Length 2237;
Best Local Similarity 88.9%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 GTATATCTACATTCGAAA 19
Db 1745 GTATATTTACATTCGAAA 1728

RESULT 11
US-08-975-703-5
; Sequence 5, Application US/08/975703
; Patent No. 6030832
; GENERAL INFORMATION:
; APPLICANT: Wong, Alexander K.C.
; APPLICANT: Bartel, Paul L.
; APPLICANT: Teng, David H.-F.
; APPLICANT: Tavtigian, Sean V.
; TITLE OF INVENTION: A Carboxy-Terminal BRCA1 Interacting
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rothwell, Figg, Ernst & Kurz, P.C.
; STREET: 555 Thirteenth Street, N.W., Suite 701 East
; CITY: Washington
; STATE: DC
; COUNTRY: U.S.A.
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/975,703
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/975,703
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Saxe, Stephen A.
; REGISTRATION NUMBER: 38,609
; REFERENCE/DOCKET NUMBER: 2318-0174
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-624-1589
; TELEFAX: 202-783-6031
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2694 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..2691
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:

; APPLICATION NUMBER: US/08/914,999
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Jackson Esq., David A.
; REGISTRATION NUMBER: 26,742
; REFERENCE/DOCKET NUMBER: 601-1-078
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-487-5800
; TELEFAX: 201-343-1684
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2237 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Dictyostellium discoideum
;
US-08-914-999-7

Query Match 67.3%; Score 14.8; DB 3; Length 2694;
Best Local Similarity 88.9%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 GTATATCTACATTCGAAA 19
Db 1103 GTATATCTAGATTAGAAA 1120

RESULT 12
US-09-515-884-5
; Sequence 5, Application US/09515884
; Patent No. 6235263
; GENERAL INFORMATION:
; APPLICANT: Wong, Alexander K.C.
; APPLICANT: Bartel, Paul L.
; APPLICANT: Teng, David H.-F.
; APPLICANT: Tavtigian, Sean V.
; TITLE OF INVENTION: A Carboxy-Terminal BRCA1 Interacting
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rothwell, Figg, Ernst & Kurz, P.C.
; STREET: 555 Thirteenth Street, N.W., Suite 701 East
; CITY: Washington
; STATE: DC
; COUNTRY: U.S.A.
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/515,884
; FILING DATE: 29-Feb-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/975,703
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Saxe, Stephen A.
; REGISTRATION NUMBER: 38,609
; REFERENCE/DOCKET NUMBER: 2318-0174
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-624-1589
; TELEFAX: 202-783-6031
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2694 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..2691
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
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US-09-515-884-5

Query Match 67.3%; Score 14.8; DB 3; Length 2694;  
Best Local Similarity 88.9%; Pred. No. 2.5e+02;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 GTATATCTACATTCGAAA 19  
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DB 1103 GTATATCTACATTAGAAA 1120

RESULT 13

US-09-075-460-9  
; Sequence 9, Application US/09075460A  
; Patent No. 6489136

; GENERAL INFORMATION:

; APPLICANT: Zervos, Antonis S.

; TITLE OF INVENTION: CELL PROLIFERATION RELATED GENES

; FILE REFERENCE: 10284/004001

; CURRENT APPLICATION NUMBER: US/09/075,460A

; CURRENT FILING DATE: 1998-05-08

; EARLIER APPLICATION NUMBER: US 60/046,077

; EARLIER FILING DATE: 1997-05-09

; NUMBER OF SEQ ID NOS: 16

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 9

; LENGTH: 2948

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (1)...(2691)

US-09-075-460-9

Query Match 67.3%; Score 14.8; DB 4; Length 2948;  
Best Local Similarity 88.9%; Pred. No. 2.5e+02;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 GTATATCTACATTCGAAA 19  
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DB 1103 GTATATCTACATTAGAAA 1120

RESULT 14

US-10-204-708-33/c  
; Sequence 33, Application US/10204708  
; Patent No. 6677731

; GENERAL INFORMATION:

; APPLICANT: OLEK, Alexander

; APPLICANT: PIEPENBROCK, Christian

; APPLICANT: BERLIN, Kurt

; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA Replication

; FILE REFERENCE: 5013.1012

; CURRENT APPLICATION NUMBER: US/10/204,708

; CURRENT FILING DATE: 2003-05-06

; PRIOR APPLICATION NUMBER: PCT/EP01/03971

; PRIOR FILING DATE: 2001-04-06

; PRIOR APPLICATION NUMBER: DE 10019058.8

; PRIOR FILING DATE: 2000-04-06

; PRIOR APPLICATION NUMBER: DE 10019173.8

; PRIOR FILING DATE: 2000-04-07

; PRIOR APPLICATION NUMBER: DE 10032529.7

; PRIOR FILING DATE: 2000-06-30

; PRIOR APPLICATION NUMBER: DE 10043826.1

; PRIOR FILING DATE: 2000-09-01

; NUMBER OF SEQ ID NOS: 98

; SEQ ID NO 33

; LENGTH: 5455

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

US-10-204-708-33

Query Match 67.3%; Score 14.8; DB 4; Length 5455;  
Best Local Similarity 88.9%; Pred. No. 2.7e+02;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 5 TATCTACATTCGAAACGA 22  
|||||  
DB 4853 TATTTACCTTCGAAACGA 4836

RESULT 15

US-08-956-171E-3986/c

; Sequence 3986, Application US/08956171E

; Patent No. 6593114

; GENERAL INFORMATION:

; APPLICANT: Charles Kunsch

; Gil H. Choi

; Patrick S. Dillon

; Craig A. Rosen

; Steven C. Barash

; Michael R. Fannon

; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences

; NUMBER OF SEQUENCES: 5256

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Human Genome Sciences, Inc.

; STREET: 9410 Key West Avenue

; CITY: Rockville

; STATE: Maryland

; COUNTRY: USA

; ZIP: 20850

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage

; COMPUTER: HP Vectra 486/33

; OPERATING SYSTEM: MSDOS version 6.2

; SOFTWARE: ASCII Text

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/956,171E

; FILING DATE: 20-Oct-1997

; CLASSIFICATION: &lt;Unknown&gt;

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 60/009,861

; FILING DATE: January 5, 1996

; APPLICATION NUMBER: 08/781,986

; FILING DATE: January 3, 1997

; ATTORNEY/AGENT INFORMATION:

; NAME: Mark J. Hyman

; REGISTRATION NUMBER: 46,789

; REFERENCE/DOCKET NUMBER: PE248P1

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (240) 314-1224

; TELEFAX: (301) 309-8439

; INFORMATION FOR SEQ ID NO: 3986:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 400 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; SEQUENCE DESCRIPTION: SEQ ID NO: 3986:

US-08-956-171E-3986

Query Match 66.4%; Score 14.6; DB 4; Length 400;  
Best Local Similarity 81.0%; Pred. No. 2.7e+02;  
Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 2 GTATATCTACATTCGAAACGA 22  
|||||  
DB 282 GCATCATATACATTCGAAACGA 262

Search completed: September 16, 2004, 16:26:41  
Job time : 41.2977 secs

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 15:53:12 ; Search time 195.985 Seconds  
(without alignments)  
566.594 Million cell updates/sec

Title: US-09-477-082-30

Perfect score: 22

Sequence: 1 cgtatctacattcgaaacga 22

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 3327077 seqs, 2523723180 residues

Total number of hits satisfying chosen parameters: 6654154

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA.\*

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- 4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq.\*
- 5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq.\*
- 6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq.\*
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- 8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq.\*
- 9: /cgn2\_6/ptodata/2/pubpna/US09A\_PUBCOMB.seq.\*
- 10: /cgn2\_6/ptodata/2/pubpna/US09B\_PUBCOMB.seq.\*
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- 17: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq.\*
- 18: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq.\*
- 19: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	17.2	78.2	2919	9	US-09-938-842A-2471
2	17.2	78.2	2919	11	US-09-938-842A-2471
3	17.2	78.2	9289	13	US-10-221-714A-223
C 4	17.2	78.2	151858	17	US-10-322-281-653
C 5	16.4	74.5	1349	17	US-10-466-531-18
6	16.2	73.6	599	13	US-10-027-632-229423
7	16.2	73.6	599	13	US-10-027-632-229424
8	16.2	73.6	599	16	US-10-027-632-229423
9	16.2	73.6	599	16	US-10-027-632-229424
C 10	16.2	73.6	846	13	US-10-282-122A-13705
11	16.2	73.6	894	16	US-10-369-493-28891
12	16.2	73.6	1439	17	US-10-437-963-35167
13	16.2	73.6	1857	16	US-10-369-493-29360
C 14	16.2	73.6	2909	15	US-10-128-714-168

C 15	16.2	73.6	3224	15	US-10-128-714-5168	Sequence 5168, Ap
C 16	16.2	73.6	6337	13	US-10-221-714A-172	Sequence 172, App
C 17	16.2	73.6	6337	15	US-10-311-455-1284	Sequence 1284, Ap
C 18	16.2	73.6	11527	14	US-10-108-605-70	Sequence 70, Appl
C 19	15.8	71.8	576	13	US-10-027-632-228022	Sequence 228022,
C 20	15.8	71.8	576	16	US-10-027-632-228022	Sequence 228022,
C 21	15.8	71.8	821	13	US-10-027-632-161722	Sequence 161722,
C 22	15.8	71.8	821	16	US-10-027-632-161722	Sequence 161722,
C 23	15.8	71.8	1386	13	US-10-424-599-115264	Sequence 115264,
C 24	15.8	71.8	1998	16	US-10-151-469-15	Sequence 15, Appl
C 25	15.8	71.8	1998	16	US-10-422-523-13	Sequence 13, Appl
C 26	15.8	71.8	2007	16	US-10-398-221-662	Sequence 662, App
C 27	15.8	71.8	2007	16	US-10-398-221-2280	Sequence 2280, App
C 28	15.8	71.8	6849	17	US-10-398-221-582	Sequence 62, Appl
C 29	15.8	71.8	1163020	16	US-10-240-589C-62	Sequence 10, Appl
C 30	15.8	71.8	3011208	16	US-10-398-221-10	Sequence 2058, Ap
C 31	15.6	70.9	364	13	US-10-398-221-2058	Sequence 21278, A
C 32	15.6	70.9	368	13	US-10-424-599-21278	Sequence 2182, Ap
C 33	15.6	70.9	669	13	US-10-027-632-224046	Sequence 224046,
C 34	15.6	70.9	669	13	US-10-027-632-224047	Sequence 224047,
C 35	15.6	70.9	669	13	US-10-027-632-224048	Sequence 224048,
C 36	15.6	70.9	669	13	US-10-027-632-224049	Sequence 224049,
C 37	15.6	70.9	669	16	US-10-027-632-224046	Sequence 224046,
C 38	15.6	70.9	669	16	US-10-027-632-224047	Sequence 224047,
C 39	15.6	70.9	669	16	US-10-027-632-224048	Sequence 224048,
C 40	15.6	70.9	669	16	US-10-027-632-224049	Sequence 224049,
C 41	15.6	70.9	1143	13	US-10-282-122A-20663	Sequence 20663, A
C 42	15.6	70.9	1254	13	US-10-282-122A-10560	Sequence 10560, A
C 43	15.6	70.9	1356	9	US-09-974-300-1167	Sequence 1167, Ap
C 44	15.6	70.9	1659	16	US-10-369-493-40539	Sequence 40539, A
C 45	15.6	70.9	1899	9	US-09-738-626-2486	Sequence 2486, Ap

ALIGNMENTS

RESULT 1

US-09-938-842A-2471

; Sequence 2471, Application US/09938842A

; Patent No. US20020160378A1

; GENERAL INFORMATION:

; APPLICANT: Harper, Jeff

; APPLICANT: Krepis, Joel

; APPLICANT: Wang, Xun

; APPLICANT: Zhu, Tong

; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING

; FILE REFERENCE: SCRIPI300-3

; CURRENT APPLICATION NUMBER: US/09/938,842A

; CURRENT FILING DATE: 2001-08-24

; PRIOR APPLICATION NUMBER: US 60/227,866

; PRIOR FILING DATE: 2000-08-24

; PRIOR APPLICATION NUMBER: US 60/264,647

; PRIOR FILING DATE: 2001-01-16

; PRIOR APPLICATION NUMBER: US 60/300,111

; PRIOR FILING DATE: 2001-06-22

; NUMBER OF SEQ ID NOS: 5379

; SEQ ID NO 2471

; LENGTH: 2919

; TYPE: DNA

; ORGANISM: Arabidopsis thaliana

US-09-938-842A-2471

Query Match 78.2%; Score 17.2; DB 9; Length 2919;

Best Local Similarity 86.4%; Pred. No. 6.1e+02;

Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGTATCTACATTGAAACGA 22

Db 1918 CTTATCTGCATTGAAACGA 1939

RESULT 2

US-09-938-842A-2471  
; Sequence 2471, Application US/09938842A  
; Publication No. US2004009476A9  
; GENERAL INFORMATION:  
; APPLICANT: Harper, Jeff  
; APPLICANT: Kreps, Joel  
; APPLICANT: Wang, Xun  
; APPLICANT: Zhu, Tong  
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING  
; TITLE OF INVENTION: SAME, AND METHODS OF USE  
; FILE REFERENCE: S01300-3  
; CURRENT APPLICATION NUMBER: US/09/938,842A  
; CURRENT FILING DATE: 2001-08-24  
; PRIOR APPLICATION NUMBER: US 60/227,866  
; PRIOR FILING DATE: 2000-08-24  
; PRIOR APPLICATION NUMBER: US 60/264,647  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/300,111  
; PRIOR FILING DATE: 2001-06-22  
; NUMBER OF SEQ ID NOS: 5379  
; SEQ ID NO 2471  
; LENGTH: 2919  
; TYPE: DNA  
; ORGANISM: Arabidopsis thaliana  
US-09-938-842A-2471

Query Match 78.2%; Score 17.2; DB 11; Length 2919;  
Best Local Similarity 86.4%; Pred. No. 6.1e+02;  
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGTATATCTACATTCGAAACGA 22  
DB 1918 CTATATCTGCATTCGAAACGA 1939

RESULT 3  
US-10-221-714A-223/c  
; Sequence 223, Application US/10221714A  
; Publication No. US20040048254A1  
; GENERAL INFORMATION:  
; APPLICANT: OLEK, Alexander  
; APPLICANT: PIEPENBROCK, Christian  
; TITLE OF INVENTION: Diagnosis of Diseases Associated with  
; TITLE OF INVENTION: tumor suppressor genes and oncogenes  
; FILE REFERENCE: 5013.1005  
; CURRENT APPLICATION NUMBER: US/10/221,714A  
; CURRENT FILING DATE: 2003-01-21  
; PRIOR APPLICATION NUMBER: PCT/EP01/02955  
; PRIOR FILING DATE: 2001-03-15  
; PRIOR APPLICATION NUMBER: DE 10013847.0  
; PRIOR FILING DATE: 2000-03-15  
; PRIOR APPLICATION NUMBER: DE 10013058.8  
; PRIOR FILING DATE: 2000-04-06  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; PRIOR APPLICATION NUMBER: DE 10032529.7  
; PRIOR FILING DATE: 2000-06-30  
; PRIOR APPLICATION NUMBER: DE 10043826.1  
; PRIOR FILING DATE: 2000-09-01  
; NUMBER OF SEQ ID NOS: 540  
; SEQ ID NO 223  
; LENGTH: 9289  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Chemically treated genomic DNA (Homo sapiens)  
US-10-221-714A-223

Query Match 78.2%; Score 17.2; DB 13; Length 9289;  
Best Local Similarity 86.4%; Pred. No. 6.9e+02;  
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGTATATCTACATTCGAAACGA 22  
DB 5667 CATATATCTACATCCGAATCGA 5646

RESULT 4  
US-10-322-281-653/c  
; Sequence 653, Application US/10322281  
; Publication No. US20040126762A1  
; GENERAL INFORMATION:  
; APPLICANT: David W. Morris  
; APPLICANT: Marc S. Malandro  
; TITLE OF INVENTION: Novel Compositions and Methods in Cancer  
; FILE REFERENCE: 529452001000  
; CURRENT APPLICATION NUMBER: US/10/322,281  
; CURRENT FILING DATE: 2002-12-17  
; NUMBER OF SEQ ID NOS: 866  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 653  
; LENGTH: 151858  
; TYPE: DNA  
; ORGANISM: Mus musculus  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)...(151858)  
; OTHER INFORMATION: n = A,T,C or G  
US-10-322-281-653

Query Match 78.2%; Score 17.2; DB 17; Length 151858;  
Best Local Similarity 86.4%; Pred. No. 9.2e+02;  
Matches 19; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGTATATCTACATTCGAAACGA 22  
DB 135534 CGTTATCTACATCCGAACGA 135513

RESULT 5  
US-10-466-531-18/c  
; Sequence 18, Application US/10466531  
; Publication No. US20040166500A1  
; GENERAL INFORMATION:  
; APPLICANT: INCYTE CORPORATION; PANZER, Scott R.  
; APPLICANT: LINCOLN, Stephen E.; ALTUS, Christina M.;  
; APPLICANT: DUFOUR, Gerard E.; JACKSON, Jennifer L.;  
; APPLICANT: JONES, Anissa L.; DAM, Tam C.;  
; APPLICANT: LIU, Tommy F.; HARRIS, Bernard;  
; APPLICANT: FLORES, Vincent Z.; DAPFO, Abel;  
; APPLICANT: MARWAHA, Rakesh; CHEN, Alice J.;  
; APPLICANT: CHANG, Simon C.; GERSTIN JR., Edward H.;  
; APPLICANT: PERALTA, Careyna H.; DAVID, Marie H.;  
; APPLICANT: LEWIS, Samantha A.  
; TITLE OF INVENTION: SECRETORY MOLECULES  
; FILE REFERENCE: PT-1216 USN  
; CURRENT APPLICATION NUMBER: US/10/466,531  
; CURRENT FILING DATE: 2003-07-15  
; PRIOR APPLICATION NUMBER: PCT/US02/01340  
; PRIOR FILING DATE: 2002-01-15  
; PRIOR APPLICATION NUMBER: US 60/261,865  
; PRIOR FILING DATE: 2001-01-16  
; PRIOR APPLICATION NUMBER: US 60/262,599  
; PRIOR FILING DATE: 2001-01-19  
; PRIOR APPLICATION NUMBER: US 60/263,329  
; PRIOR FILING DATE: 2001-01-19  
; PRIOR APPLICATION NUMBER: US 60/262,209  
; PRIOR FILING DATE: 2001-01-17  
; PRIOR APPLICATION NUMBER: US 60/263,131  
; PRIOR FILING DATE: 2001-01-19  
; PRIOR APPLICATION NUMBER: US 60/262,208  
; PRIOR FILING DATE: 2001-01-17  
; PRIOR APPLICATION NUMBER: US 60/262,164  
; PRIOR FILING DATE: 2001-01-17  
; PRIOR APPLICATION NUMBER: US 60/263,063



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; PRIOR FILING DATE: 2001-01-19
; PRIOR APPLICATION NUMBER: US 60/261,864
; PRIOR FILING DATE: 2001-01-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 152
; SOFTWARE: PERL Program
; SEQ ID NO 18
; LENGTH: 1349
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: incyte ID No: LI:239576.2:2001JAN12
; FEATURE:
; NAME/KEY: unsure
; LOCATION: 568, 1179
; OTHER INFORMATION: a, t, c, g, or other
US-10-466-531-18

Query Match          74.5%; Score 16.4; DB 17; Length 1349;
Best Local Similarity 94.4%; Pred. No. 1.3e+03;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CGTATCTACATTCGAA 18
Db 333 CATATCTACATTCGAA 316

RESULT 6
US-10-027-632-229423
; Sequence 229423, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 229423
; LENGTH: 599
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(599)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-229424

Query Match          73.6%; Score 16.2; DB 13; Length 599;
Best Local Similarity 85.7%; Pred. No. 1.5e+03;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GTATATCTACATTCGAAACGA 22
Db 455 GAATATCTACATTAGAAAAGA 475

RESULT 8
US-10-027-632-229423
; Sequence 229423, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 229423
; LENGTH: 599
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(599)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-229423

Query Match          73.6%; Score 16.2; DB 13; Length 599;
Best Local Similarity 85.7%; Pred. No. 1.5e+03;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GTATATCTACATTCGAAACGA 22
Db 455 GAATATCTACATTAGAAAAGA 475
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RESULT 7
US-10-027-632-229424
; Sequence 229424, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 229424
; LENGTH: 599
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(599)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-229424

Query Match          73.6%; Score 16.2; DB 13; Length 599;
Best Local Similarity 85.7%; Pred. No. 1.5e+03;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 GTATATCTACATTCGAAACGA 22
Db 455 GAATATCTACATTAGAAAAGA 475

RESULT 8
US-10-027-632-229423
; Sequence 229423, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
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; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 229423
; LENGTH: 599
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(599)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-229423

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Query Match 73.6%; Score 16.2; DB 16; Length 599;  
Best Local Similarity 85.7%; Pred. No. 1.5e+03;  
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 GTATATCTACATTTCGAAACGA 22  
| | | | | | | | | |  
Dh 455 GAATATCTACATTAGAAAAGA 475

```

RESULT 9
US-10-027-632-229424
: Sequence 229424, Application US/10027632
: Publication NO. US20030204075A9
: GENERAL INFORMATION:
: APPLICANT: Wang, David G.
: TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
: Polymorphisms in the Human Genome

```

```
Query Match      73.6%; Score 16.2; DB 16; Length 599;
Best Local Similarity 85.7%; Pred. No. 1.5e+03;
Matches 18: Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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Qy 2 GTATATCTACATTCGAAACGA 22  
db 455 GAATATCTACATTAGAAAAGA 475

RESULT 10  
US-10-282-122A-13705/c  
; Sequence 13705, Application US/10282122A  
; Publication No. US20040029129A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, Liangsu  
; APPLICANT: Zamudio, Carlos

```

; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Chisen, Kari
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Porsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 13705
; LENGTH: 846
; TYPE: DNA
; ORGANISM: Burkholderia fungorum
; US-10-282-132A-13705

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Query Match 73.6%; Score 16.2; DB 13; Length 846;  
Best Local Similarity 85.7%; Pred. No. 1.5e+03;  
Matches 18: Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGTATATCTACATTGAAACG 21  
||| ||| ||| ||| ||| |||  
Db 400 CGTAGATCGACATTGGAAACG 380

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RESULT 11
US/10/369-493-28891
, Sequence 28891, Application US/10369493
, Publication No. US20030233675A1
, GENERAL INFORMATION:
, APPLICANT: Gao, Yongwei
, APPLICANT: Hinkle, Gregory J.
, APPLICANT: Slater, Steven C.
, APPLICANT: Goldman, Barry S.
, APPLICANT: Chen, Xianfeng
, TITLE OF INVENTION: EXPRESSION OF MICRO
, TITLE OF INVENTION: PLANTS WITH IMPRO
, FILE REFERENCE: 38-10(52052)B
, CURRENT APPLICATION NUMBER: US/10/369,
, CURRENT FILING DATE: 2003-02-28
, PRIOR APPLICATION NUMBER: US 60/360,03
, PRIOR FILING DATE: 2002-02-21
, NUMBER OF SEQ ID NOS: 47374
, SEQ ID NO 28891
, LENGTH: 894
, TYPE: DNA

```

```

; ORGANISM: Caenorhabditis elegans
US-10-369-493-2891

Query Match      73.6%; Score 16.2; DB 16; Length 894;
Best Local Similarity 85.7%; Pred. No. 1.5e+03;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      2 GTATATCTACATTCGAAACGA 22
Db      280 GAAATTTACATTCGAAACGA 300

RESULT 12
US-10-437-963-35167
; Sequence 35167, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yinhua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; PRIOR FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 35167
; LENGTH: 1439
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_39112C.1
US-10-437-963-35167

Query Match      73.6%; Score 16.2; DB 17; Length 1439;
Best Local Similarity 85.7%; Pred. No. 1.6e+03;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1 CGTATATCTACATTCGAAACG 21
Db      714 CGTATATATACATCAGAAACG 734

RESULT 13
US-10-369-493-29360
; Sequence 29360, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: 38-10(52052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 29360
; LENGTH: 1857
; TYPE: DNA
; ORGANISM: Caenorhabditis elegans
US-10-369-493-29360

Query Match      73.6%; Score 16.2; DB 16; Length 1857;
Best Local Similarity 85.7%; Pred. No. 1.6e+03;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1 CGTATATCTACATTCGAAACG 21
Db      2061 CTTATGCTACATTCGAAACG 2041

RESULT 15
US-10-128-714-5168/c
; Sequence 5168, Application US/10128714
; Publication No. US20030119013A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Bo
; APPLICANT: Hu, Wenqi
; APPLICANT: Tishkoff, Daniel
; APPLICANT: Zamudio, Carlos
; APPLICANT: Eroshkin, Alexey M
; APPLICANT: Lemieux, Sebastien M
; APPLICANT: Lemieux, Sebastien M
; TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and
; TITLE OF INVENTION: Methods of Use
; FILE REFERENCE: 10182-018-999
; CURRENT APPLICATION NUMBER: US/10/128,714
; CURRENT FILING DATE: 2002-04-23
; PRIOR APPLICATION NUMBER: US 60/285,697
; PRIOR FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: US 60/287,066
; PRIOR FILING DATE: 2001-04-27
; PRIOR APPLICATION NUMBER: US 60/295,890
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: US 60/303,899
; PRIOR FILING DATE: 2001-08-31
; PRIOR APPLICATION NUMBER: US 60/316,362
; NUMBER OF SEQ ID NOS: 8603
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 168
; LENGTH: 2909
; TYPE: DNA
; ORGANISM: Aspergillus fumigatus
US-10-128-714-168

Query Match      73.6%; Score 16.2; DB 15; Length 2909;
Best Local Similarity 85.7%; Pred. No. 1.7e+03;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1 CGTATATCTACATTCGAAACG 21
Db      2061 CTTATGCTACATTCGAAACG 2041

RESULT 15
US-10-128-714-5168/c
; Sequence 5168, Application US/10128714
; Publication No. US20030119013A1
; GENERAL INFORMATION:
; APPLICANT: Jiang, Bo
; APPLICANT: Hu, Wenqi
; APPLICANT: Tishkoff, Daniel
; APPLICANT: Zamudio, Carlos
; APPLICANT: Eroshkin, Alexey M
; APPLICANT: Lemieux, Sebastien M
; APPLICANT: Lemieux, Sebastien M
; TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and
; TITLE OF INVENTION: Methods of Use
; FILE REFERENCE: 10182-018-999
; CURRENT APPLICATION NUMBER: US/10/128,714
; CURRENT FILING DATE: 2002-04-23
; PRIOR APPLICATION NUMBER: US 60/285,697
; PRIOR FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: US 60/287,066
; PRIOR FILING DATE: 2001-04-27
; PRIOR APPLICATION NUMBER: US 60/295,890
; PRIOR FILING DATE: 2001-06-05
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; PRIOR APPLICATION NUMBER: US 60/303,899
; PRIOR FILING DATE: 2001-07-09
; PRIOR APPLICATION NUMBER: US 60/316,362
; PRIOR FILING DATE: 2001-08-31
; NUMBER OF SEQ ID NOS: 8603
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5168
; LENGTH: 3224
; TYPE: DNA
; ORGANISM: Aspergillus fumigatus
US-10-128-714-5168

Query Match      73.6%; Score 16.2; DB 15; Length 3224;
Best Local Similarity 85.7%; Pred. No. 1.7e+03;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1 CGTATATCTACATTCGAACG 21
Db      2376 CTTATTGCTACATTCGAACG 2356

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Search completed: September 16, 2004, 20:53:37  
Job time : 200.985 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 12:06:21 ; Search time 37.5115 Seconds  
(without alignments)  
310.678 Million cell updates/sec

Title: US-09-477-082-31

Perfect score: 21

Sequence: 1 tagggattggagattgtga 21

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:\*

1: /cgn2\_6/prodata/2/ina/5A-COMB.seq:\*

2: /cgn2\_6/prodata/2/ina/5B-COMB.seq:\*

3: /cgn2\_6/prodata/2/ina/6A-COMB.seq:\*

4: /cgn2\_6/prodata/2/ina/6B-COMB.seq:\*

5: /cgn2\_6/prodata/2/ina/PTUS-COMB.seq:\*

6: /cgn2\_6/prodata/2/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	16.8	80.0	168575	4	US-09-426-290-1
2	16.2	77.1	201	4	US-09-107-532A-337
3	15.8	75.2	987	4	US-09-543-681A-323
4	15.8	75.2	1664976	4	US-08-916-421B-1
5	15.2	72.4	348	4	US-09-702-708-1382
6	15.2	72.4	348	4	US-09-736-457-1382
7	15.2	72.4	348	4	US-09-614-124B-1382
8	15.2	72.4	348	4	US-09-671-325-1382
9	15.2	72.4	481	4	US-09-404-879A-46
10	15.2	72.4	481	4	US-09-338-933-46
11	15.2	72.4	481	4	US-09-215-681-46
12	15.2	72.4	481	4	US-09-216-003A-46
13	15.2	72.4	864	4	US-09-328-352-2079
14	15.2	72.4	872	4	US-09-016-434-6
15	15.2	72.4	3113	2	US-08-993-228-20
16	15.2	72.4	3240	3	US-09-262-773-7
17	15.2	72.4	3244	3	US-09-262-773-3
18	15.2	72.4	3264	3	US-09-262-773-5
19	15.2	72.4	3268	3	US-09-262-773-1
20	15.2	72.4	3771	1	US-07-876-280-5
21	15.2	72.4	3771	1	US-08-049-783-1
22	15.2	72.4	3771	1	US-08-158-232-5
23	15.2	72.4	3771	1	US-08-304-626-5
24	15.2	72.4	3771	1	US-08-316-301A-5
25	15.2	72.4	3771	1	US-08-611-928-5
26	15.2	72.4	3771	1	US-09-173-891-5
27	15.2	72.4	3771	3	US-09-076-137-5

C 28	15.2	72.4	3771	4	US-09-738-363-5	Sequence 5, Appli
C 29	15.2	72.4	3771	5	PCT-US92-03624-5	Sequence 5, Appli
C 30	15.2	72.4	5304	4	US-09-023-655-664	Sequence 664, App
C 31	15.2	72.4	5849	3	US-09-134-246-6	Sequence 6, Appli
C 32	15.2	72.4	20137	3	US-09-262-773-206	Sequence 206, App
C 33	15.2	72.4	20138	3	US-09-262-773-9	Sequence 9, Appli
C 34	15.2	72.4	23071	3	US-09-262-773-210	Sequence 210, App
C 35	15.2	72.4	129908	4	US-09-585-858-1	Sequence 1, Appli
C 36	15.2	72.4	152331	3	US-09-128-155-16	Sequence 16, Appli
C 37	15.2	72.4	176373	3	US-09-128-155-17	Sequence 17, Appli
C 38	15.2	72.4	193303	4	US-09-497-855A-37	Sequence 37, Appli
C 39	15.2	72.4	193303	4	US-09-497-855A-44	Sequence 44, Appli
C 40	15.2	72.4	202001	3	US-09-734-674-3	Sequence 3, Appli
C 41	14.8	70.5	22	3	US-09-262-773-187	Sequence 187, App
C 42	14.8	70.5	461	4	US-09-621-976-3296	Sequence 3296, Ap
C 43	14.8	70.5	543	4	US-09-221-017B-681	Sequence 681, App
C 44	14.8	70.5	1340	4	US-09-000-062-2	Sequence 2, Appli
C 45	14.8	70.5	1340	4	US-09-000-062-4	Sequence 4, Appli

#### ALIGNMENTS

##### RESULT 1

US-09-426-290-1  
; Sequence 1, Application US/09426290  
; Patent No. 6410712  
; GENERAL INFORMATION:  
; APPLICANT: Berglind Ran Olafsdottir  
; APPLICANT: Jeffrey Gulcher  
; TITLE OF INVENTION: HUMAN NARCOLEPSY GENE  
; FILE REFERENCE: 2345-2001-000  
; CURRENT APPLICATION NUMBER: US/09/426,290  
; CURRENT FILING DATE: 1999-10-25  
; NUMBER OF SEQ ID NOS: 24  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 168575  
; TYPE: DNA  
; ORGANISM: Homo Sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (21181)...(21403)  
; NAME/KEY: CDS  
; LOCATION: (95252)...(95430)  
; NAME/KEY: CDS  
; LOCATION: (101753)...(101996)  
; NAME/KEY: CDS  
; LOCATION: (110324)...(110439)  
; NAME/KEY: CDS  
; LOCATION: (124058)...(124278)  
; NAME/KEY: CDS  
; LOCATION: (127009)...(127130)  
; NAME/KEY: CDS  
; LOCATION: (128910)...(129139)  
US-09-426-290-1

Query March 80.0% Score 16.8; DB 4; Length 168575;  
Best Local Similarity 90.0%; Pred. No. 1.le+02;  
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 AGGGGATTGGAGATTGTGA 21

Db 29456 AGGGGATTGGAGATTGTGA 29475

##### RESULT 2

US-09-107-532A-337/c  
; Sequence 337, Application US/09107532A  
; Patent No. 6583275  
; GENERAL INFORMATION:  
; APPLICANT: Lynn A Doucette-Stamm and David Bush  
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO

ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS

NUMBER OF SEQUENCES: 7310  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: GNOVE THERAPEUTICS CORPORATION  
STREET: 100 Beaver Street  
CITY: Waltham  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02354

COMPUTER READABLE FORM:  
MEDIUM TYPE: CD-ROM ISO9660

COMPUTER: PC  
OPERATING SYSTEM: <Unknown>  
SOFTWARE: ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/107,532A

FILING DATE: 30-Jun-1998

PRIOR APPLICATION NUMBER: 60/085,598

FILING DATE: 14 May 1998

APPLICATION NUMBER: 60/051571

FILING DATE: July 2, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Ariniello, Pamela Deneka

REGISTRATION NUMBER: 40,489

REFERENCE/DOCKET NUMBER: GTC-012

TELECOMMUNICATION INFORMATION:

TELEPHONE: (781)893-5007

TELEFAX: (781)893-8277

INFORMATION FOR SEQ ID NO: 337:

SEQUENCE CHARACTERISTICS:

LENGTH: 201 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: circular

MOLECULE TYPE: DNA (genomic)

HYPOTHETICAL: NO

ANTI-SENSE: NO

ORIGINAL SOURCE:

ORGANISM: Enterococcus faecium

FEATURE:

NAME/KEY: misc feature

LOCATION: (B) LOCATION 1...201

SEQUENCE DESCRIPTION: SEQ ID NO: 337:

US-09-107-532A-337

Query Match 77.1%; Score 16.2; DB 4; Length 201;  
Best Local Similarity 85.7%; Pred. No. 1.1e+02;  
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 TAGGGGATTGGAGATTGCA 21  
Db 161 TAGGGAAGTTGGAGATTGCA 141

RESULT 3

US-09-543-681A-323

Sequence 323, Application US/09543681A

Patent No. 6605709

GENERAL INFORMATION:

APPLICANT: GARY BRETON

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PROTEUS MIRABILIS

TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: 2709.1002-001

CURRENT APPLICATION NUMBER: US/09/543,681A

CURRENT FILING DATE: 2000-04-05

PRIOR APPLICATION NUMBER: US 60/128,706

PRIOR FILING DATE: 1999-04-09

NUMBER OF SEQ ID NOS: 8344

SEQ ID NO 323

LENGTH: 987

TYPE: DNA

ORGANISM: Proteus mirabilis

US-09-543-681A-323

Query Match 75.2%; Score 15.8; DB 4; Length 987;  
Best Local Similarity 89.5%; Pred. No. 1.9e+02;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 TAGGGGATTGGAGATTGT 19  
Db 200 TAGGGGATTGGAGATTGT 218

RESULT 4

US-08-916-421B-1/c

Sequence 1, Application US/08916421B

Patent No. 6503729

GENERAL INFORMATION:

APPLICANT: Bult et al.

TITLE OF INVENTION: Complete Genome Sequence of the Methanogenic Archaeon, Methanococcus

Patent No. 6503729

TITLE OF INVENTION: jannaschii

FILE REFERENCE: PB275

CURRENT APPLICATION NUMBER: US/08/916,421B

CURRENT FILING DATE: 1997-08-22

PRIOR APPLICATION NUMBER: US 60/024,428

PRIOR FILING DATE: 1996-08-22

NUMBER OF SEQ ID NOS: 3

SOFTWARE: PatentIn version 3.1

SEQ ID NO 1

LENGTH: 1664976

TYPE: DNA

ORGANISM: Methanococcus jannaschii

FEATURE:

NAME/KEY: misc feature

LOCATION: (28222)..(28222)

OTHER INFORMATION: n equals a, t, c, or g

NAME/KEY: misc feature

LOCATION: (28257)..(28258)

OTHER INFORMATION: n equals a, t, c, or g

NAME/KEY: misc feature

LOCATION: (84773)..(84773)

OTHER INFORMATION: n equals a, t, c, or g

NAME/KEY: misc feature

LOCATION: (84808)..(84808)

OTHER INFORMATION: n equals a, t, c, or g

NAME/KEY: misc feature

LOCATION: (84812)..(84812)

OTHER INFORMATION: n equals a, t, c, or g

NAME/KEY: misc feature

LOCATION: (98120)..(98120)

OTHER INFORMATION: n equals a, t, c, or g

NAME/KEY: misc feature

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OTHER INFORMATION: n equals a, t, c, or g

NAME/KEY: misc feature

LOCATION: (98239)..(98239)

OTHER INFORMATION: n equals a, t, c, or g

NAME/KEY: misc feature

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OTHER INFORMATION: n equals a, t, c, or g

NAME/KEY: misc feature

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OTHER INFORMATION: n equals a, t, c, or g

NAME/KEY: misc feature

LOCATION: (103998)..(103998)

OTHER INFORMATION: n equals a, t, c, or g

NAME/KEY: misc feature

LOCATION: (148948)..(148948)

OTHER INFORMATION: n equals a, t, c, or g

NAME/KEY: misc feature

LOCATION: (163385)..(163385)

OTHER INFORMATION: n equals a, t, c, or g

NAME/KEY: misc feature

LOCATION: (191989)..(191989)

OTHER INFORMATION: n equals a, t, c, or g

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1 NAME/KEY: misc feature
2 LOCATION: (1084930)..(1084830)
3 OTHER INFORMATION: n equals a, t, c, or g
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10 LOCATION: (1119881)..(1119881)
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51 OTHER INFORMATION: n equals a, t, c, or g
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53 NAME/KEY: misc feature
54 LOCATION: (1664854)..(1664855)
55 OTHER INFORMATION: n equals a, t, c, or g
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Query Match	75.2%	Score 15.8;	DB 4;	Length 1664976;
Best Local Similarity	89.5%;	Pred. No. 2.3e+02;		
Matches 17;	Conservative	0;	Mismatches 2;	Indels 0;
				Gaps 0;

QY            3   CCGGATTGGAGATTGTGA   21  
               ||   |||||   |||||   ||  
Db            412121   CGAGATTGGAGATTGAGA   412103

RESULT 5  
 US-09-702-705-1392/c  
 ; Sequence 1392, Application US/09702705  
 ; Patent No. 6504010  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Wang, Tongtong  
 ; APPLICANT: Bangur, Chaitanya S.  
 ; APPLICANT: Lodes, Michael A.  
 ; APPLICANT: Fanger, Gary  
 ; APPLICANT: Vedvick, Tom  
 ; APPLICANT: Carter, Darrick  
 ; APPLICANT: Retter, Marc  
 ; APPLICANT: Mannion, Jane  
 ; APPLICANT: Fan, Liqun  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
 ; TITL OF INVENTION: DIAGNOSIS OF LUNG CANCER  
 ; FILE REFERENCE: 21021.478C14  
 ; CURRENT APPLICATION NUMBER: US/09/702,705  
 ; CURRENT FILING DATE: 2000-10-30  
 ; NUMBER OF SEQ ID NOS: 1833

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; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1382
; LENGTH: 348
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-702-705-1382

Query Match          72.4%; Score 15.2; DB 4; Length 348;
Best Local Similarity 85.0%; Pred. No. 3.2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGGGGATTGGAGATTGTGA 21
Db 316 AGGCGCTTTGGAGATTCTGA 297

RESULT 6
US-09-736-457-1382/c
; Sequence 1382, Application US/09736457
; Patent No. 6509448
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; APPLICANT: Wang, Aijun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.478C15
; CURRENT APPLICATION NUMBER: US/09/736,457
; CURRENT FILING DATE: 2000-12-13
; NUMBER OF SEQ ID NOS: 1864
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1382
; LENGTH: 348
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-736-457-1382

Query Match          72.4%; Score 15.2; DB 4; Length 348;
Best Local Similarity 85.0%; Pred. No. 3.2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGGGGATTGGAGATTGTGA 21
Db 316 AGGCGCTTTGGAGATTCTGA 297

RESULT 7
US-09-614-124B-1382/c
; Sequence 1382, Application US/09614124B
; Patent No. 6630574
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.478C9
; CURRENT APPLICATION NUMBER: US/09/614,124B
; CURRENT FILING DATE: 2001-07-11
; NUMBER OF SEQ ID NOS: 1668
; SOFTWARE: FastSeq for Windows Version 3.0
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; SEQ ID NO 1382
; LENGTH: 348
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-614-124B-1382

Query Match          72.4%; Score 15.2; DB 4; Length 348;
Best Local Similarity 85.0%; Pred. No. 3.2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGGGGATTGGAGATTGTGA 21
Db 316 AGGCGCTTTGGAGATTCTGA 297

RESULT 8
US-09-671-325-1382/c
; Sequence 1382, Application US/09671325
; Patent No. 6667154
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Lodes, Michael A.
; APPLICANT: Fanger, Gary
; APPLICANT: Vedvick, Tom
; APPLICANT: Carter, Darrick
; APPLICANT: Retter, Marc
; APPLICANT: Mannion, Jane
; APPLICANT: Fan, Liqun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.478C12
; CURRENT APPLICATION NUMBER: US/09/671,325
; CURRENT FILING DATE: 2000-09-26
; NUMBER OF SEQ ID NOS: 1825
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1382
; LENGTH: 348
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-671-325-1382

Query Match          72.4%; Score 15.2; DB 4; Length 348;
Best Local Similarity 85.0%; Pred. No. 3.2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGGGGATTGGAGATTGTGA 21
Db 316 AGGCGCTTTGGAGATTCTGA 297

RESULT 9
US-09-404-879A-46/c
; Sequence 46, Application US/09404879A
; Patent No. 6468546
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; APPLICANT: Algate, Paul A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.462C2
; CURRENT APPLICATION NUMBER: US/09/404,879A
; CURRENT FILING DATE: 1999-09-24
; NUMBER OF SEQ ID NOS: 393
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 46
; LENGTH: 481
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-404-879A-46

Query Match          72.4%; Score 15.2; DB 4; Length 481;
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Best Local Similarity 85.0%; Pred. No. 3.3e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGGATTTCGAGATTGTG 20
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DB 117 TAGGCTATTTCGAGATGGTG 98

RESULT 10
US-09-338-933-46/c
; Sequence 46, Application US/09338933
; Patent No. 648931
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer Lynn.
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY OF
; TITLE OF INVENTION: OVARIAN CANCER
; FILE REFERENCE: 210121.452C1
; CURRENT APPLICATION NUMBER: US/09/338,933
; CURRENT FILING DATE: 1999-06-23
; NUMBER OF SEQ ID NOS: 312
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 46
; LENGTH: 481
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-338-933-46

Query Match 72.4%; Score 15.2; DB 4; Length 481;
Best Local Similarity 85.0%; Pred. No. 3.3e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGGATTTCGAGATTGTG 20
    |||||
DB 117 TAGGCTATTTCGAGATGGTG 98

RESULT 11
US-09-215-681-46/c
; Sequence 46, Application US/09215681A
; Patent No. 6528253
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Frudakis, Tony N.
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSIS
; TITLE OF INVENTION: OF OVARIAN CANCER
; FILE REFERENCE: 210121.463
; CURRENT APPLICATION NUMBER: US/09/215,681A
; CURRENT FILING DATE: 1998-12-17
; NUMBER OF SEQ ID NOS: 310
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 46
; LENGTH: 481
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-215-681-46

Query Match 72.4%; Score 15.2; DB 4; Length 481;
Best Local Similarity 85.0%; Pred. No. 3.3e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGGATTTCGAGATTGTG 20
    |||||
DB 117 TAGGCTATTTCGAGATGGTG 98

RESULT 12
US-09-216-003A-46/c
; Sequence 46, Application US/09216003A
; Patent No. 6670463
; GENERAL INFORMATION:
; APPLICANT: Mitcham, Jennifer L.

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APPLICATION NUMBER: US/09/016,434  
FILING DATE: HEREWITH  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Zeller, Karen J.  
REGISTRATION NUMBER: 37,071  
REFERENCE/DOCKET NUMBER: PA-0002 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 855-0555  
TELEFAX: (650) 845-4166  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 872 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: THP1PB01  
CLONE: 011615  
US-09-016-434-6

Query Match 72.4%; Score 15.2; DB 4; Length 872;  
Best Local Similarity 85.0%; Pred. No. 3.5e+02;  
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 AGGGGATTGGAGATTGTGA 21  
Db 538 AGGAGATTCGAGATTATGA 557

RESULT 15  
US-08-993-228-20  
Sequence 20, Application US/08993228  
Patent No. 5976838  
GENERAL INFORMATION:  
APPLICANT: Jacobs, Kenneth  
APPLICANT: McCoy, John M.  
APPLICANT: Lavallie, Edward R.  
APPLICANT: Racie, Lisa A.  
APPLICANT: Merberg, David  
APPLICANT: Treacy, Maurice  
APPLICANT: Spaulding, Vikki  
APPLICANT: Agostino, Michael J.  
TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES  
TITLE OF INVENTION: ENCODING THEM  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genetics Institute, Inc.  
STREET: 87 CambridgePark Drive  
CITY: Cambridge  
STATE: MA  
COUNTRY: U.S.A.  
ZIP: 02140  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/993,228  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Sprunger, Suzanne A.  
REGISTRATION NUMBER: 41,323  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 498-8284  
TELEFAX: (617) 876-5851  
INFORMATION FOR SEQ ID NO: 20:

SEQUENCE CHARACTERISTICS:  
LENGTH: 3113 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
US-08-993-228-20

Query Match 72.4%; Score 15.2; DB 2; Length 3113;  
Best Local Similarity 85.0%; Pred. NO. 4e+02;  
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 AGGGGATTGGAGATTGTGA 21  
Db 407 AGGGAATTGGAGGCTGTGA 426

Search completed: September 16, 2004, 16:26:47  
Job time : 43.5115 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 15:53:12 : Search time 187.076 Seconds  
(without alignments)  
566.594 Million cell updates/sec

Title: US-09-477-082-31

Perfect score: 21

Sequence: 1 taggggattggagattgtga 21

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 3327077 seqs, 2523723180 residues

Total number of hits satisfying chosen parameters: 6654154

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:\*\*

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- 2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq\*\*
- 3: /cgn2\_6/ptodata/2/pubpna/US05\_NEW\_PUB.seq\*\*
- 4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq\*\*
- 5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq\*\*
- 6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq\*\*
- 7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq\*\*
- 8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq\*\*
- 9: /cgn2\_6/ptodata/2/pubpna/US09A\_PUBCOMB.seq\*\*
- 10: /cgn2\_6/ptodata/2/pubpna/US09B\_PUBCOMB.seq\*\*
- 11: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq\*\*
- 12: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq\*\*
- 13: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq2\*\*
- 14: /cgn2\_6/ptodata/2/pubpna/US10A\_PUBCOMB.seq\*\*
- 15: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq\*\*
- 16: /cgn2\_6/ptodata/2/pubpna/US10C\_PUBCOMB.seq\*\*
- 17: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq\*\*
- 18: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq\*\*
- 19: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq\*\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	18.4	87.6	5518	15	US-10-311-455-190
2	18.4	87.6	5518	15	Sequence 190, App
3	17.8	84.8	4369	16	US-10-240-452-18
4	17.8	84.8	9870	16	Sequence 18, Appl
5	17.8	84.8	9870	16	Sequence 1401, Ap
6	17.8	84.8	13377	13	US-10-108-260A-1401
7	17.8	84.8	13377	13	Sequence 118, App
8	16.8	80.0	356	13	US-10-115-831-118
9	16.8	80.0	356	13	Sequence 118, App
10	16.8	80.0	551	15	US-10-221-714A-197
11	16.8	80.0	551	15	Sequence 197, App
12	16.8	80.0	642	13	US-10-311-455-1435
13	16.8	80.0	642	13	Sequence 1435, App
14	16.8	80.0	642	13	Sequence 214, App
15	16.8	80.0	642	13	Sequence 107823,
16	16.8	80.0	642	16	Sequence 9317, Ap
17	16.8	80.0	551	17	Sequence 13512, A
18	16.8	80.0	642	13	Sequence 250518,
19	16.8	80.0	642	13	Sequence 250519,
20	16.8	80.0	642	13	Sequence 250518,
21	16.8	80.0	642	13	Sequence 250519,
22	16.8	80.0	642	16	US-10-027-632-250519
23	16.8	80.0	642	16	US-10-027-632-250519
24	16.8	80.0	642	16	US-10-027-632-250519

C 15	16.8	80.0	715	13	US-10-027-632-30018	Sequence 30018, A
C 16	16.8	80.0	715	16	US-10-027-632-30018	Sequence 30018, A
C 17	16.8	80.0	2369	13	US-10-424-599-30244	Sequence 30244, A
C 18	16.8	80.0	2734	13	US-10-424-599-30244	Sequence 30244, A
C 19	16.8	80.0	6127	15	US-10-311-455-565	Sequence 565, App
C 20	16.8	80.0	21000	10	US-09-975-123-11	Sequence 11, Appl
C 21	16.8	80.0	168575	15	US-10-178-194-1	Sequence 1, Appl
C 22	16.8	80.0	367378	15	US-10-312-841-2	Sequence 2, Appl
C 23	16.8	80.0	367378	15	US-10-312-841-2	Sequence 12076, A
C 24	16.4	78.1	251	17	US-10-437-963-12076	Sequence 3672, Ap
C 25	16.4	78.1	360	13	US-10-335-977-3672	Sequence 3672, Ap
C 26	16.4	78.1	463	13	US-10-085-783A-57394	Sequence 57394, A
C 27	16.4	78.1	463	16	US-10-242-535A-57394	Sequence 57394, A
C 28	16.4	78.1	509	13	US-10-027-632-298826	Sequence 298826, A
C 29	16.4	78.1	509	16	US-10-027-632-298826	Sequence 298826, A
C 30	16.4	78.1	691	13	US-10-027-632-214212	Sequence 214212, A
C 31	16.4	78.1	691	16	US-10-027-632-214212	Sequence 214212, A
C 32	16.4	78.1	840	13	US-10-027-632-163906	Sequence 163906, A
C 33	16.4	78.1	840	16	US-10-027-632-163906	Sequence 163906, A
C 34	16.4	78.1	846	13	US-10-335-977-3673	Sequence 3673, Ap
C 35	16.4	78.1	981	9	US-09-815-242-7388	Sequence 7388, Ap
C 36	16.4	78.1	1196	17	US-10-767-701-12513	Sequence 12513, A
C 37	16.4	78.1	1288	13	US-10-424-599-39748	Sequence 39748, A
C 38	16.4	78.1	3256	16	US-10-108-260A-798	Sequence 798, App
C 39	16.2	77.1	11358	17	US-10-433-485A-3	Sequence 3, Appl
C 40	16.2	77.1	186	15	US-10-102-524-97	Sequence 97, Appl
C 41	16.2	77.1	404	17	US-10-767-701-27172	Sequence 27172, A
C 42	16.2	77.1	422	9	US-09-757-417-23	Sequence 23, Appl
C 43	16.2	77.1	422	15	US-10-043-945-23	Sequence 23, Appl
C 44	16.2	77.1	430	10	US-09-918-995-33366	Sequence 33366, A
C 45	16.2	77.1	475	10	US-09-918-995-34536	Sequence 34536, A
C 46	16.2	77.1	476	13	US-10-085-783A-26192	Sequence 26192, A

ALIGNMENTS

RESULT 1

US-10-311-455-190  
; Sequence 190, Application US/10311455  
; Publication No. US20030143606A1  
; GENERAL INFORMATION:  
; APPLICANT: OLEK, Alexander  
; APPLICANT: PIEPENBROCK, Christian  
; APPLICANT: BERLIN, Kurt  
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining the Methylation of Cytosine  
; TITLE OF INVENTION: cytosine methylation  
; FILE REFERENCE: 5013.1014  
; CURRENT APPLICATION NUMBER: US/10/311,455  
; PRIOR FILING DATE: 2002-12-16  
; PRIOR APPLICATION NUMBER: PCT/EP01/07537  
; PRIOR FILING DATE: 2001-07-02  
; PRIOR APPLICATION NUMBER: DE 10032529.7  
; PRIOR FILING DATE: 2000-06-30  
; PRIOR APPLICATION NUMBER: DE 10043826.1  
; PRIOR FILING DATE: 2000-09-01  
; NUMBER OF SEQ ID NOS: 2424  
; SEQ ID NO 190  
; LENGTH: 5518  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)  
US-10-311-455-190

Query Match 87.6%; Score 18.4; DB 15; Length 5518;  
Best Local Similarity 95.0%; Pred. No. 91;  
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 TAGGGATTGGAGATTGTG 20

Db 46 TAGGGATTGGAGATTGTG 65

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RESULT 2
US-10-240-452-18
; Sequence 18, Application US/10240452
; Publication No. US20030162194A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; TITLE OF INVENTION: Diagnosis of Diseases Associated with Apoptosis
; FILE REFERENCE: 5013.1006
; CURRENT APPLICATION NUMBER: US/10/240,452
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03969
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 78
; SEQ ID NO 18
; LENGTH: 5518
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-452-18

Query Match      87.6%; Score 18.4; DB 15; Length 5518;
Best Local Similarity 95.0%; Pred. No. 91; Indels 0; Gaps 0;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 TAGGGGATTTGGAGATTGTG 20
DB 46 TAGGGGATTTGGAGATTGTG 65

RESULT 3
US-10-108-260A-1401
; Sequence 1401, Application US/10108260A
; Publication No. US20040005560A1
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: NO. US20040005560A1e1 full length cDNA
; FILE REFERENCE: HI-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1401
; LENGTH: 4369
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-108-260A-1401

Query Match      84.8%; Score 17.8; DB 16; Length 4369;
Best Local Similarity 90.5%; Pred. No. 1.7e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TAGGGGATTTGGAGATTGTGA 21
DB 1369 TAGGGCTTTGGAGATTGTGA 1389

RESULT 4
US-10-115-831-118
; Sequence 118, Application US/10115831
; Publication No. US20030219743A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
```

```
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Ren, Feiyan
; APPLICANT: Dtranac, Radoje T.
; TITLE OF INVENTION: No. US20030219743A1e1 Nucleic Acids and
; FILE REFERENCE: 792CIP2ADIV
; CURRENT APPLICATION NUMBER: US/10/115,831
; CURRENT FILING DATE: 2002-04-02
; PRIOR APPLICATION NUMBER: 09/667,298
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/577,408
; PRIOR FILING DATE: 2000-05-18
; NUMBER OF SEQ ID NOS: 178
; SOFTWARE: Pt_FL_genes Version 2.0
; SEQ ID NO 118
; LENGTH: 9870
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (3442)..(9390)
US-10-115-831-118

Query Match      84.8%; Score 17.8; DB 16; Length 9870;
Best Local Similarity 90.5%; Pred. No. 1.9e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TAGGGGATTTGGAGATTGTGA 21
DB 4505 TAGGGCTTTGGAGATTGTGA 4525

RESULT 5
US-10-221-714A-197
; Sequence 197, Application US/10221714A
; Publication No. US20040048254A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with
; FILE REFERENCE: 5013.1005
; CURRENT APPLICATION NUMBER: US/10/221,714A
; CURRENT FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: PCT/EP01/02955
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: DE 10013847.0
; PRIOR FILING DATE: 2000-03-15
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 540
; SEQ ID NO 197
; LENGTH: 13377
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-221-714A-197

Query Match      84.8%; Score 17.8; DB 13; Length 13377;
Best Local Similarity 90.5%; Pred. No. 1.9e+02;
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TAGGGGATTTGGAGATTGTGA 21
DB 1369 TAGGGCTTTGGAGATTGTGA 1389
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Db 1704 TAAGGATTGGAGATTGTA 1724

RESULT 6

US-10-311-455-1435

; Sequence 1435, Application US/10311455

; Publication No. US20030143606A1

; GENERAL INFORMATION:

; APPLICANT: OLEK, Alexander

; APPLICANT: PIEPENROCK, Christian

; APPLICANT: BERLIN, Kurt

; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determining the Methylation Status of Cytosine

; TITLE OF INVENTION: Cytosine methylation

; FILE REFERENCE: 5013.1014

; CURRENT APPLICATION NUMBER: US/10/311,455

; CURRENT FILING DATE: 2002-12-16

; PRIOR APPLICATION NUMBER: PCT/EP01/07537

; PRIOR FILING DATE: 2001-07-02

; PRIOR APPLICATION NUMBER: DE 10032529.7

; PRIOR FILING DATE: 2000-06-30

; PRIOR APPLICATION NUMBER: DE 10043826.1

; PRIOR FILING DATE: 2000-09-01

; NUMBER OF SEQ ID NOS: 2424

; SEQ ID NO 1435

; LENGTH: 13377

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

US-10-311-455-1435

Query Match 84.8%; Score 17.8; DB 15; Length 13377;

Best Local Similarity 90.5%; Pred. No. 1.9e+02;

Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TAGGGATTGGAGATTGTA 21

Db 1704 TAAGGATTGGAGATTGTA 1724

RESULT 7

US-10-221-613-214

; Sequence 214, Application US/10221613

; Publication No. US20040029123A1

; GENERAL INFORMATION:

; APPLICANT: OLEK, Alexander

; APPLICANT: PIEPENROCK, Christian

; APPLICANT: BERLIN, Kurt

; TITLE OF INVENTION: Diagnosis of Diseases Associated with Cell Cycle

; FILE REFERENCE: 5013.1004

; CURRENT APPLICATION NUMBER: US/10/221,613

; CURRENT FILING DATE: 2002-09-13

; PRIOR APPLICATION NUMBER: PCT/EP01/02945

; DE 10013847.00

; DE 10019058.8

; DE 10019173.8

; DE 10032529.7

; DE 10043826.1

; PRIOR FILING DATE: 2001-03-15

; 2000-03-15

; 2000-04-06

; 2000-04-07

; 2000-06-30

; 2000-09-01

; NUMBER OF SEQ ID NOS: 428

; SEQ ID NO 214

; LENGTH: 16914

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

; NAME/KEY: unsure

US-09-477-082-31.rnpb

; LOCATION: (422, 441, 608, 660, 664, 680, 696, 720, 749, 792..793, 1637)

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (1643, 1665, 2367, 2383, 2458, 2555, 2559, 2581, 2587, 2828)

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (3248, 3257, 3268, 3300, 3386, 3390, 3398, 3869, 4126, 4571)

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (4656, 4661, 4841, 4905, 4926, 4931, 4939, 4945, 4960, 4977)

; FEATURE:

; NAME/KEY: unsure

; LOCATION: (4989, 5032, 5154, 5156, 5734, 5993, 6255, 6602)

US-10-221-613-214

Query Match 81.0%; Score 17; DB 13; Length 16914;

Best Local Similarity 100.0%; Pred. No. 4.7e+02;

Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGGATTGGAGATT 17

Db 5123 TAGGGATTGGAGATT 5139

RESULT 8

US-10-424-599-107823

; Sequence 107823, Application US/10424599

; Publication No. US20040031072A1

; GENERAL INFORMATION:

; APPLICANT: La Rosa Thomas J

; APPLICANT: Kovalic David K

; APPLICANT: Zhou Yihua

; APPLICANT: Cao Yongwei

; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With

; FILE REFERENCE: 38-21(53223)B

; CURRENT APPLICATION NUMBER: US/10/424,599

; CURRENT FILING DATE: 2003-04-28

; NUMBER OF SEQ ID NOS: 285684

; SEQ ID NO 107823

; LENGTH: 356

; TYPE: DNA

; ORGANISM: Glycine max

; FEATURE:

; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_68380C.1

US-10-424-599-107823

Query Match 80.0%; Score 16.8; DB 13; Length 356;

Best Local Similarity 90.0%; Pred. No. 3.8e+02;

Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TAGGGATTGGAGATTGTG 20

Db 218 TATGGGATATGGAGATTGTG 237

RESULT 9

US-10-029-386-9317/c

; Sequence 9317, Application US/10029386

; Publication No. US20030194704A1

; GENERAL INFORMATION:

; APPLICANT: Penn, Sharon G.

; APPLICANT: Rank, David R.

; APPLICANT: Hanzel, David K.

; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G

; FILE REFERENCE: AEOMICA-X-2

; CURRENT APPLICATION NUMBER: US/10/029,386

; CURRENT FILING DATE: 2001-12-20

; NUMBER OF SEQ ID NOS: 34288

; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1

; SEQ ID NO 9317

; LENGTH: 551

2 AGCGAATTGGAGATTGGA 21  
 |||||  
 38 AGCGAATTGGAGATTGGA 57  
 |||||

FILE REFERENCE: 108827.129  
CURRENT APPLICATION NUMBER: US/10/027,632  
CURRENT FILLING DATE: 2002-04-30  
PRIOR APPLICATION NUMBER: US 60/218,006  
PRIOR FILLING DATE: 2000-07-12  
PRIOR APPLICATION NUMBER: US 60/198,676  
PRIOR FILLING DATE: 2000-04-20  
PRIOR APPLICATION NUMBER: US 60/193,483  
PRIOR FILLING DATE: 2000-03-29  
PRIOR APPLICATION NUMBER: US 60/185,218  
PRIOR FILLING DATE: 2000-02-24  
PRIOR APPLICATION NUMBER: US 60/167,363  
PRIOR FILLING DATE: 1999-11-23  
PRIOR APPLICATION NUMBER: US 60/156,358  
PRIOR FILLING DATE: 1999-09-28  
PRIOR APPLICATION NUMBER: US 60/146,002  
PRIOR FILLING DATE: 1999-08-09  
NUMBER OF SEQ ID NOS: 325720  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 250518  
LENGTH: 642  
TYPE: DNA  
ORGANISM: Human  
US-10-027-632-250518

Query Match 80.0%; Score 16.8; DB 16; Length 642;  
Best Local Similarity 90.0%; Pred. No. 4.1e+02;  
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 AGGGGATTGGAGATTGTGA 21

Db 38 AGGGAATTGGAGATTGGGA 57

RESULT 14  
US-10-027-632-250519  
Sequence 250519, Application US/10027632  
Publication No. US20030204075A9  
GENERAL INFORMATION:  
APPLICANT: Wang, David G.  
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
FILE REFERENCE: 108827.129  
CURRENT APPLICATION NUMBER: US/10/027,632  
CURRENT FILLING DATE: 2002-04-30  
PRIOR APPLICATION NUMBER: US 60/218,006  
PRIOR FILLING DATE: 2000-07-12  
PRIOR APPLICATION NUMBER: US 60/198,676  
PRIOR FILLING DATE: 2000-04-20  
PRIOR APPLICATION NUMBER: US 60/193,483  
PRIOR FILLING DATE: 2000-03-29  
PRIOR APPLICATION NUMBER: US 60/185,218  
PRIOR FILLING DATE: 2000-02-24  
PRIOR APPLICATION NUMBER: US 60/167,363  
PRIOR FILLING DATE: 1999-11-23  
PRIOR APPLICATION NUMBER: US 60/156,358  
PRIOR FILLING DATE: 1999-09-28  
PRIOR APPLICATION NUMBER: US 60/146,002  
PRIOR FILLING DATE: 1999-08-09  
NUMBER OF SEQ ID NOS: 325720  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 250519  
LENGTH: 642  
TYPE: DNA  
ORGANISM: Human  
US-10-027-632-250519

Query Match 80.0%; Score 16.8; DB 16; Length 642;  
Best Local Similarity 90.0%; Pred. No. 4.1e+02;  
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 AGGGGATTGGAGATTGTGA 21

Db 38 AGGGAATTGGAGATTGGGA 57  
RESULT 15  
US-10-027-632-30018/c  
Sequence 30018, Application US/10027632  
Publication No. US20020198371A1  
GENERAL INFORMATION:  
APPLICANT: Wang, David G.  
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
FILE REFERENCE: 108827.129  
CURRENT APPLICATION NUMBER: US/10/027,632  
CURRENT FILLING DATE: 2002-04-30  
PRIOR APPLICATION NUMBER: US 60/218,006  
PRIOR FILLING DATE: 2000-07-12  
PRIOR APPLICATION NUMBER: US 60/198,676  
PRIOR FILLING DATE: 2000-04-20  
PRIOR APPLICATION NUMBER: US 60/193,483  
PRIOR FILLING DATE: 2000-03-29  
PRIOR APPLICATION NUMBER: US 60/185,218  
PRIOR FILLING DATE: 2000-02-24  
PRIOR APPLICATION NUMBER: US 60/167,363  
PRIOR FILLING DATE: 1999-11-23  
PRIOR APPLICATION NUMBER: US 60/156,358  
PRIOR FILLING DATE: 1999-09-28  
PRIOR APPLICATION NUMBER: US 60/146,002  
NUMBER OF SEQ ID NOS: 325720  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 30018  
LENGTH: 715  
TYPE: DNA  
ORGANISM: Human  
US-10-027-632-30018

Query Match 80.0%; Score 16.8; DB 13; Length 715;  
Best Local Similarity 90.0%; Pred. No. 4.1e+02;  
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TAGGGGATTGGAGATTGTG 20

Db 377 TAGGAGATTGGAGATAGTG 358

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Job time : 192.076 secs

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Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 12:06:21 ; Search time 44.6565 Seconds  
(without alignments)  
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Searched: 682709 seqs, 277475446 residues

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Post-processing: Minimum Match 0%

Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	18.6	74.4	1230025	4	US-09-198-452A-1
3	18.2	72.8	262	4	US-09-313-294A-2303
4	18.2	72.8	1386	2	US-08-687-080-76
5	18.2	72.8	1755	4	US-09-328-352-3746
6	18.2	72.8	2427	4	US-09-601-198-70
7	18.2	72.8	7037	4	US-09-853-768-3
8	18.2	72.8	19124	2	US-08-487-826B-13
9	17.6	70.4	257	4	US-09-313-294A-2295
10	17.6	70.4	759	4	US-09-107-532A-803
11	17.6	70.4	1200	4	US-09-540-236-576
12	17.6	70.4	1995	4	US-09-620-312D-908
13	17.6	70.4	6182	4	US-10-204-708-88
14	17.6	70.4	11370	3	US-09-345-217-1
15	17.6	70.4	89047	4	US-09-596-002-34
16	17.6	70.4	152331	3	US-09-128-155-16
17	17.2	68.8	297	1	US-08-616-368A-17
18	17.2	68.8	297	3	US-09-054-298-17
19	17.2	68.8	297	3	US-08-818-655-17
20	17.2	68.8	297	4	US-09-305-839-17
21	17.2	68.8	342	4	US-09-134-001C-2219
22	17.2	68.8	357	4	US-08-956-171E-2525
23	17.2	68.8	498	4	US-09-328-352-3435
24	17.2	68.8	1715	4	US-09-023-655-984
25	17.2	68.8	2111	2	US-08-966-316-6
26	17.2	68.8	5954	4	US-09-023-905A-6
27	17	68.0	381	4	US-09-540-236-844

C	28	17	68.0	453	4	US-09-107-532A-3443	Sequence 3443, Ap
	29	17	68.0	459	4	US-09-107-532A-943	Sequence 943, App
	30	17	68.0	468	4	US-09-543-681A-1682	Sequence 1682, Ap
	31	17	68.0	945	4	US-08-858-207A-111	Sequence 111, App
	32	17	68.0	1089	4	US-09-543-681A-895	Sequence 895, App
C	33	17	68.0	1452	4	US-09-328-352-2145	Sequence 2145, App
	34	17	68.0	1952	3	US-09-315-444-115	Sequence 115, App
	35	17	68.0	1952	4	US-09-721-362-115	Sequence 115, App
	36	17	68.0	3652	4	US-08-961-527-251	Sequence 251, App
	37	17	68.0	10754	2	US-08-966-958-1	Sequence 1, Appli
	38	17	68.0	10754	2	US-09-215-817-1	Sequence 1, Appli
	39	17	68.0	10754	3	US-09-342-353-1	Sequence 1, Appli
	40	17	68.0	33248	4	US-09-596-002-24	Sequence 24, Appl
	41	17	68.0	48328	4	US-09-596-002-27	Sequence 27, Appl
C	42	17	68.0	786431	4	US-09-751-389-3	Sequence 3, Appli
C	43	17	68.0	1230025	4	US-09-198-452A-1	Sequence 1, Appli
C	44	16.8	67.2	1664976	4	US-08-916-421B-1	Sequence 1, Appli
C	45	16.6	66.4	57	1	US-08-273-594-33	Sequence 33, Appl

#### ALIGNMENTS

##### RESULT 1

US-09-280-116-82  
; Sequence 82, Application US/09280116A  
; Patent No. 633427

; GENERAL INFORMATION:

; APPLICANT: Robison, Keith E.

; TITLE OF INVENTION: Nucleic Acid Molecules Encoding Human Protease Homologs

; FILE REFERENCE: 5800-24, 035800/176965

; CURRENT APPLICATION NUMBER: US/09/280,116A

; CURRENT FILING DATE: 1999-03-26

; NUMBER OF SEQ ID NOS: 268

; SOFTWARE: Patentin Ver. 2.0

; SEQ ID NO 82

; LENGTH: 798

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE: matrix metalloproteases

; FEATURE:

; NAME/KEY: misc feature

; LOCATION: (1)..(798)

; OTHER INFORMATION: n = a, t, c or g

US-09-280-116-82

Query Match 74.4%; Score 18.6; DB 4; Length 798;

Best Local Similarity 84.0%; Pred. No. 59;

Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Oy 1 CCATATATATCTACATTCAAAACAA 25

Db 422 CCATATATATATATCTCAAGACAA 446

##### RESULT 2

US-09-198-452A-1

; Sequence 1, Application US/09198452A

; Patent No. 6553294

; GENERAL INFORMATION:

; APPLICANT: Griffiths, R.

; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments thereof and uses thereof, in particular for the diagnosis, prevention and treatment of infection

; FILE REFERENCE: 9710-003-999

; CURRENT APPLICATION NUMBER: US/09/198,452A

; CURRENT FILING DATE: 1998-11-24

; NUMBER OF SEQ ID NOS: 6849

; SEQ ID NO 1

; LENGTH: 1230025

; TYPE: DNA

; ORGANISM: Chlamydia pneumoniae



LOCATION: (720001)..(735000)  
OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature  
LOCATION: (735001)..(750000)  
OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature  
LOCATION: (750001)..(765000)  
OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature  
LOCATION: (765001)..(780000)  
OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature  
LOCATION: (780001)..(795000)  
OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature  
LOCATION: (795001)..(810000)  
OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature  
LOCATION: (810001)..(825000)  
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NAME/KEY: misc\_feature  
LOCATION: (825001)..(840000)  
OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature  
LOCATION: (840001)..(855000)  
OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature  
LOCATION: (855001)..(870000)  
OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature  
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OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature  
LOCATION: (885001)..(900000)  
OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature  
LOCATION: (900001)..(915000)  
OTHER INFORMATION: n=a or c or g or t  
NAME/KEY: misc\_feature

Query Match 74.4%; Score 18.6; DB 4; Length 1230025;  
Best Local Similarity 84.0%; Pred. No. 77;  
Matches 21; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 CCATATATATCTACATTCACAAACA 25  
Db 559906 CCATCTATATCTACATTCACATCAA 559930

RESULT 3  
US-09-313-294A-2303/c  
Sequence 2303, Application US/09313294A  
Patent No. 6476212  
GENERAL INFORMATION:  
APPLICANT: Lalgudi, Raghunath V.  
APPLICANT: Ito, Laura Y.  
APPLICANT: Sherman, Bradley K.  
TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR  
FILE REFERENCE: PL-0017 US  
CURRENT APPLICATION NUMBER: US/09/313,294A  
CURRENT FILING DATE: 1993-05-14  
NUMBER OF SEQ ID NOS: 7600  
SOFTWARE: PERL Program  
SEQ ID NO 2303  
LENGTH: 262  
TYPE: DNA  
ORGANISM: Zea mays  
FEATURE:  
NAME/KEY: misc\_feature  
OTHER INFORMATION: Incyte ID No. 6476212 700552454H1  
NAME/KEY: unsure  
LOCATION: 3, 172, 182, 184  
OTHER INFORMATION: a, t, c, g, or other

US-09-313-294A-2303  
Query Match 72.8%; Score 18.2; DB 4; Length 262;  
Best Local Similarity 87.0%; Pred. No. 81;  
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
Qy 2 CATATATATCTACATTCACAAACA 24  
Db 220 CATATTTATCTAAATTCACAAACA 198

RESULT 4  
US-08-687-080-76  
Sequence 76, Application US/08687080  
Patent No. 5965427  
GENERAL INFORMATION:  
APPLICANT: Gregory Dolganov  
TITLE OF INVENTION: Human RAD50 Gene and Methods of Use Thereof  
NUMBER OF SEQUENCES: 175  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Dehlinger & Associates  
STREET: 350 Cambridge Avenue, Suite 250  
CITY: Palo Alto  
STATE: CA  
COUNTRY: USA  
ZIP: 94306  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/687,080  
FILING DATE: 17-JUL-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/592,126  
FILING DATE: 26-JAN-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Sholtz, Charles K.  
REGISTRATION NUMBER: 38,615  
REFERENCE/DOCKET NUMBER: 4600-0111.30  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 324-0880  
TELEFAX: (415) 324-0960  
INFORMATION FOR SEQ ID NO: 76:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1386 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
INDIVIDUAL ISOLATE: INTRON 9 OF RAD50 GENOMIC SEQUENCE  
US-08-687-080-76

Query Match 72.8%; Score 18.2; DB 2; Length 1386;  
Best Local Similarity 87.0%; Pred. No. 87;  
Matches 20; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
Qy 2 CATATATATCTACATTCACAAACA 24  
Db 278 CATAGAAATGTACATTCACAAACA 300

RESULT 5  
US-09-328-352-3746/c  
Sequence 3746, Application US/09328352  
Patent No. 6562958  
GENERAL INFORMATION:  
APPLICANT: Gary L. Breton et al.



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; Patent No. 6476212
; GENERAL INFORMATION:
; APPLICANT: Lalgudi, Raghunath V.
; APPLICANT: Ito, Laura Y.
; APPLICANT: Sherman, Bradley K.
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM CORN EAR
; FILE REFERENCE: PL-0017 US
; CURRENT APPLICATION NUMBER: US/09/313,294A
; CURRENT FILING DATE: 1999-05-14
; NUMBER OF SEQ ID NOS: 7600
; SOFTWARE: PERL Program
; SEQ ID NO 2295
; LENGTH: 257
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6476212 700552442H1
US-09-313-294A-2295

Query Match 70.4%; Score 17.6; DB 4; Length 257;
Best Local Similarity 83.3%; Pred. No. 1.4e+02;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 CCATATATATCTACATTCAAACA 24
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DB 96 CCATATATATTTATTTTAAACA 73
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RESULT 10
US-09-107-532A-803/c
; Sequence 803, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; CORRESPONDENCE ADDRESS:
; ADDRESS: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 803:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 759 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
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; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Enterococcus faecium
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...759
; SEQUENCE DESCRIPTION: SEQ ID NO: 803:
US-09-107-532A-803

Query Match 70.4%; Score 17.6; DB 4; Length 759;
Best Local Similarity 83.3%; Pred. No. 1.5e+02;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 CCATATATATCTACATTCAAACA 24
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DB 374 CCATAATATCTACATCATACCA 351
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RESULT 11
US-09-540-236-576/c
; Sequence 576, Application US/09540236
; Patent No. 6673910
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATAR
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709,2005-001
; CURRENT APPLICATION NUMBER: US/09/540,236
; CURRENT FILING DATE: 2000-04-04
; NUMBER OF SEQ ID NOS: 3840
; SEQ ID NO 576
; LENGTH: 1200
; TYPE: DNA
; ORGANISM: M.catarrhalis
US-09-540-236-576

Query Match 70.4%; Score 17.6; DB 4; Length 1200;
Best Local Similarity 83.3%; Pred. No. 1.5e+02;
Matches 20; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 CCATATATATCTACATTCAAACA 24
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DB 551 CCATAATATCTGCATCCAAATA 528
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RESULT 12
US-09-620-312D-908
; Sequence 908, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yungqing
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghaast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

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566.594 Million cell updates/sec

Title: US-09-477-082-32

Perfect score: 25

Sequence: 1 ccataatattcattcaaaacaa 25

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Post-processing: Minimum Match 0%

Maximum Match 100%

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19: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
c 1	20.2	80.8	17280	13	US-10-221-714A-498
c 2	20.2	80.8	2140405	13	Sequence 498, App
c 3	20.2	80.8	2140405	16	Sequence 76212, A
c 4	19.8	79.2	5474	17	Sequence 76212, A
c 5	19.2	76.8	611	13	Sequence 96, Appl
c 6	19.2	76.8	611	13	Sequence 215064, A
c 7	19.2	76.8	611	13	Sequence 215065, A
c 8	19.2	76.8	611	13	Sequence 215066, A
c 9	19.2	76.8	611	16	Sequence 215064, A
c 10	19.2	76.8	611	16	Sequence 215065, A
c 11	19.2	76.8	748	13	Sequence 215066, A
c 12	19.2	76.8	748	15	Sequence 29050, A
c 13	19.2	76.8	1236	13	Sequence 29050, A
c 14	19.2	76.8	1236	16	Sequence 215063, A

c 15 19.2 76.8 4654 13 US-10-221-714A-508  
c 16 19.2 76.8 4654 15 US-10-311-455-2196  
c 17 19.2 76.8 7120 10 US-09-380-773-2  
c 18 19.2 76.8 8845 13 US-10-221-714A-266  
c 19 19.2 76.8 15373 15 US-10-311-455-439  
c 20 18.8 75.2 352 13 US-10-085-783A-33179  
c 21 18.8 75.2 352 16 US-10-242-535A-33179  
c 22 18.8 75.2 584 17 US-10-021-323-3721  
c 23 18.8 75.2 520 15 US-10-311-455-1492  
c 24 18.8 75.2 6297 15 US-10-311-455-678  
c 25 18.8 75.2 9905 15 US-10-311-455-35  
c 26 18.8 75.2 81098 13 US-10-087-152-2032  
c 27 18.8 75.2 3673778 15 US-10-312-841-2  
c 28 18.6 74.4 200 9 US-09-969-373-877  
c 29 18.6 74.4 221 10 US-09-754-853A-149  
c 30 18.6 74.4 355 9 US-09-960-352-374  
c 31 18.6 74.4 392 9 US-09-960-352-12299  
c 32 18.6 74.4 461 13 US-10-085-783A-27128  
c 33 18.6 74.4 461 16 US-10-242-535A-27128  
c 34 18.6 74.4 462 15 US-10-116-712-119  
c 35 18.6 74.4 462 15 US-10-116-712-120  
c 36 18.6 74.4 469 10 US-09-918-995-9724  
c 37 18.6 74.4 487 10 US-09-918-995-13475  
c 38 18.6 74.4 559 13 US-10-027-632-317661  
c 39 18.6 74.4 559 16 US-10-027-632-317661  
c 40 18.6 74.4 560 13 US-10-027-632-91256  
c 41 18.6 74.4 560 16 US-10-027-632-91256  
c 42 18.6 74.4 946 17 US-10-437-963-1844  
c 43 18.6 74.4 1304 17 US-10-437-963-19773  
c 44 18.6 74.4 1463 9 US-09-745-763-12  
c 45 18.6 74.4 1567 13 US-10-276-774-511

#### ALIGNMENTS

#### RESULT 1

US-10-221-714A-498/c  
; Sequence 498, Application US/10221714A  
; Publication No. US20040048254A1  
; GENERAL INFORMATION:  
; APPLICANT: OLEK, Alexander  
; APPLICANT: PIEPENBROCK, Christian  
; APPLICANT: BERLIN, Kurt  
; TITLE OF INVENTION: Diagnosis of Diseases Associated with  
; TITLE OF INVENTION: tumor suppressor genes and oncogenes  
; FILE REFERENCE: 5013.1005  
; CURRENT APPLICATION NUMBER: US/10/221,714A  
; CURRENT FILING DATE: 2003-01-21  
; PRIOR APPLICATION NUMBER: PCT/EP01/02955  
; PRIOR FILING DATE: 2001-03-15  
; PRIOR APPLICATION NUMBER: DE 10013847.0  
; PRIOR FILING DATE: 2000-03-15  
; PRIOR APPLICATION NUMBER: DE 10019059.8  
; PRIOR FILING DATE: 2000-04-06  
; PRIOR APPLICATION NUMBER: DE 10019173.8  
; PRIOR FILING DATE: 2000-04-07  
; PRIOR APPLICATION NUMBER: DE 10032529.7  
; PRIOR FILING DATE: 2000-06-30  
; PRIOR APPLICATION NUMBER: DE 10043826.1  
; PRIOR FILING DATE: 2000-09-01  
; NUMBER OF SEQ ID NOS: 540  
; SEQ ID NO 498  
; LENGTH: 17280  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)  
US-10-221-714A-498

Query Match 80.8%; Score 20.2; DB 13; Length 17280;  
Best Local Similarity 88.0%; Pred. No. 7.4e+02;  
Matches 22; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

us-09-477-082-32.rnpb

Mon Sep 20 11:28:11 2004

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QY      1 CCATATATATCTACATTCACAAACAA 25
Db      16705 CCATATATATCTACATTCACAAACAA 16681

RESULT 2
US-10-027-632-76212
; Sequence 76212, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 76212
; LENGTH: 2140405
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(2140405)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-76212
Query Match      80.8%; Score 20.2; DB 13; Length 2140405;
Best Local Similarity 88.0%; Pred. No. 1.1e+03;
Matches 22; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 CCATATATATCTACATTCACAAACAA 25
Db      1380416 CCATATATATCTACATTCACAAACAA 1380440

RESULT 4
US-10-433-793-96/c
; Sequence 96, Application US/10433793
; Publication No. US20040142334A1
; GENERAL INFORMATION:
; APPLICANT: Epigenomics AG
; TITLE OF INVENTION: Diagnose von mit Angiogenese assoziierten Krankheiten
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/433,793
; CURRENT FILING DATE: 2003-06-06
; NUMBER OF SEQ ID NOS: 212
; SEQ ID NO 96
; LENGTH: 5474
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-433-793-96
Query Match      79.2%; Score 19.8; DB 17; Length 5474;
Best Local Similarity 91.3%; Pred. No. 9e+02;
Matches 21; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      2 CATATATATCTACATTCACAAACAA 24
Db      1823 CATATATATCTACATTCACAAACAA 1801

RESULT 5
US-10-027-632-215064/c
; Sequence 215064, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 76212
; LENGTH: 2140405
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(2140405)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-76212
Query Match      80.8%; Score 20.2; DB 13; Length 2140405;
Best Local Similarity 88.0%; Pred. No. 1.1e+03;
Matches 22; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 CCATATATATCTACATTCACAAACAA 25
Db      1380416 CCATATATATCTACATTCACAAACAA 1380440

RESULT 3
US-10-027-632-76212
; Sequence 76212, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 76212
; LENGTH: 2140405
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(2140405)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-76212
Query Match      80.8%; Score 20.2; DB 13; Length 2140405;
Best Local Similarity 88.0%; Pred. No. 1.1e+03;
Matches 22; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY      1 CCATATATATCTACATTCACAAACAA 25
Db      16705 CCATATATATCTACATTCACAAACAA 16681

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; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 215064
; LENGTH: 611
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-215064

Query Match      76.8%; Score 19.2; DB 13; Length 611;
Best Local Similarity 87.5%; Pred. No. 1.1e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CCATATATATCTACATTCAAAACA 24
Db 391 CCATATATACCTATATTAAACA 368

RESULT 6
US-10-027-632-215065/c
; Sequence 215065, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 215065
; LENGTH: 611
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-215065

Query Match      76.8%; Score 19.2; DB 13; Length 611;
Best Local Similarity 87.5%; Pred. No. 1.1e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CCATATATATCTACATTCAAAACA 24
Db 391 CCATATATACCTATATTAAACA 368

RESULT 7
US-10-027-632-215066/c
; Sequence 215066, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 215066
; LENGTH: 611
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-215066

Query Match      76.8%; Score 19.2; DB 16; Length 611;
Best Local Similarity 87.5%; Pred. No. 1.1e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CCATATATATCTACATTCAAAACA 24
Db 391 CCATATATACCTATATTAAACA 368

RESULT 8
US-10-027-632-215064/c
; Sequence 215064, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 215064
; LENGTH: 611
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-215064

Query Match      76.8%; Score 19.2; DB 16; Length 611;
Best Local Similarity 87.5%; Pred. No. 1.1e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 CCATATATATCTACATTCAAAACA 24
Db 391 CCATATATACCTATATTAAACA 368
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RESULT 9
US-10-027-632-215065/c
; Sequence 215065, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 215065
; LENGTH: 611
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-215065

Query Match          76.8%; Score 19.2; DB 16; Length 611;
Best Local Similarity 87.5%; Pred. No. 1.1e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1 CCATATATATCTACATTCAAACA 24
Db      391 CCATATATACCTATATTAAACA 368

RESULT 10
US-10-027-632-215066/c
; Sequence 215066, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 215066
; LENGTH: 611
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-215066

Query Match          76.8%; Score 19.2; DB 16; Length 611;
Best Local Similarity 87.5%; Pred. No. 1.1e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1 CCATATATATCTACATTCAAACA 24
Db      391 CCATATATACCTATATTAAACA 368

RESULT 11
US-10-027-632-29050/c
; Sequence 29050, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 29050
; LENGTH: 748
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-29050

Query Match          76.8%; Score 19.2; DB 13; Length 748;
Best Local Similarity 87.5%; Pred. No. 1.1e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1 CCATATATATCTACATTCAAACA 24
Db      484 CCATATATACCTATATTAAACA 461

RESULT 12
US-10-027-632-29050/c
; Sequence 29050, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 215066
; LENGTH: 611
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; TYPE: DNA
; ORGANISM: Human
US-10-027-632-215066

Query Match          76.8%; Score 19.2; DB 16; Length 611;
Best Local Similarity 87.5%; Pred. No. 1.1e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1 CCATATATATCTACATTCAAACA 24
Db      391 CCATATATACCTATATTAAACA 368

RESULT 11
US-10-027-632-29050/c
; Sequence 29050, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 29050
; LENGTH: 748
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-29050

Query Match          76.8%; Score 19.2; DB 13; Length 748;
Best Local Similarity 87.5%; Pred. No. 1.1e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy      1 CCATATATATCTACATTCAAACA 24
Db      484 CCATATATACCTATATTAAACA 461

RESULT 12
US-10-027-632-29050/c
; Sequence 29050, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 215066
; LENGTH: 611
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; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 29050
; LENGTH: 748
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-29050

Query Match          76.8%; Score 19.2; DB 16; Length 748;
Best Local Similarity 87.5%; Pred. No. 1.1e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CCATATATATCTACATTCAAAACA 24
Db 484 CCATATATACCTATATTAAACA 461

RESULT 13
US-10-027-632-215063/c
; Sequence 215063, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 215063
; LENGTH: 1236
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-215063

Query Match          76.8%; Score 19.2; DB 13; Length 1236;
Best Local Similarity 87.5%; Pred. No. 1.2e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CCATATATATCTACATTCAAAACA 24
Db 1016 CCATATATACCTATATTAAACA 993

RESULT 14
US-10-027-632-215063/c
; Sequence 215063, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
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; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 215063
; LENGTH: 1236
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-215063

Query Match          76.8%; Score 19.2; DB 16; Length 1236;
Best Local Similarity 87.5%; Pred. No. 1.2e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CCATATATATCTACATTCAAAACA 24
Db 1016 CCATATATACCTATATTAAACA 993

RESULT 15
US-10-221-714A-508/c
; Sequence 508, Application US/10221714A
; Publication No. US20040048254A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with
; FILE REFERENCE: 5013.1005
; CURRENT APPLICATION NUMBER: US/10/221,714A
; CURRENT FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: PCT/EP01/02955
; PRIOR FILING DATE: 2001-03-15
; PRIOR APPLICATION NUMBER: DE 10013847.0
; PRIOR FILING DATE: 2000-03-15
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 540
; SEQ ID NO 508
; LENGTH: 4654
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-221-714A-508

Query Match          76.8%; Score 19.2; DB 13; Length 4654;
Best Local Similarity 87.5%; Pred. No. 1.5e+03;
Matches 21; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
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us-09-477-082-32.rnpb

Qy 2 CATATATCTACATTCAAAACAA 25  
Db 874 CATATTATCTACATCCAAAACCA 851

Search completed: September 16, 2004, 20:53:54  
Job time : 234.71 secs

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 12:06:21 ; Search time 37.5115 Seconds  
(without alignments)  
310.678 Million cell updates/sec

Title: US-09-477-082-33

Perfect score: 21

Sequence: 1 taggggactcgagactgcga 21

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.\*

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2: /cgn2\_6/ptodata/2/ina/5B\_COMB.seq.\*  
3: /cgn2\_6/ptodata/2/ina/6A\_COMB.seq.\*  
4: /cgn2\_6/ptodata/2/ina/6B\_COMB.seq.\*  
5: /cgn2\_6/ptodata/2/ina/PCTUS COMB.seq.\*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	21	100.0	2887	4	US-08-983-502-14
2	21	100.0	2887	4	US-09-516-747-14
3	21	100.0	2887	5	PCT-US96-10521-14
4	15.4	73.3	454	4	US-09-963-137-62
5	15.4	73.3	633	4	US-09-252-991A-4514
6	15.4	73.3	771	4	US-09-252-991A-4410
7	15.4	73.3	1209	3	US-09-028-328-2
8	15.4	73.3	1886	4	US-09-620-312D-647
9	15.2	72.4	321	5	PCT-US94-07659-7
10	15.2	72.4	588	3	US-09-328-111-397
11	15.2	72.4	618	3	US-09-328-111-487
12	15.2	72.4	620	3	US-09-328-111-490
13	15.2	72.4	954	4	US-09-177-419C-7
14	15.2	72.4	1557	4	US-09-023-655-1016
15	15.2	72.4	3257	5	PCT-US91-09784-1
16	15.2	72.4	3303	1	US-08-081-610-3
17	15.2	72.4	43804	4	US-09-171-461-1
18	14.8	70.5	503	4	US-09-833-381-1783
19	14.8	70.5	1533	4	US-09-075-454-11
20	14.8	70.5	2123	4	US-09-194-468A-29
21	14.8	70.5	2194	4	US-09-023-655-668
22	14.8	70.5	6378	4	US-09-620-312D-332
23	14.8	70.5	9785	4	US-09-479-128-1
24	14.6	69.5	690	4	US-09-252-991A-13180
25	14.6	69.5	985	4	US-09-621-376-2540
26	14.6	69.5	2169	4	US-09-105-058C-22
27	14.6	69.5	2273	4	US-09-177-650-88
					Sequence 14, Appl
					Sequence 14, Appl
					Sequence 14, Appl
					Sequence 62, Appl
					Sequence 4514, Ap
					Sequence 4410, Ap
					Sequence 2, Appl
					Sequence 647, App
					Sequence 7, Appl
					Sequence 397, App
					Sequence 487, App
					Sequence 490, App
					Sequence 7, Appl
					Sequence 1016, Ap
					Sequence 3, Appl
					Sequence 1, Appl
					Sequence 1783, Ap
					Sequence 11, Appl
					Sequence 29, Appl
					Sequence 668, App
					Sequence 332, App
					Sequence 1, Appl
					Sequence 13180, A
					Sequence 2540, Ap
					Sequence 22, Appl
					Sequence 88, Appl

## RESULT 1

US-08-983-502-14

; Sequence 14, Application US/08983502

; Patent No. 6399327

; GENERAL INFORMATION:

; APPLICANT: David WALLACH

; APPLICANT: Mark P. BOLOIN

; APPLICANT: Tanya M. GONCHAROV

; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS

; TITLE OF INVENTION: AND OTHER PROTEINS

; NUMBER OF SEQUENCES: 34

; CORRESPONDENCE ADDRESS:

; ADDRESSER: Browdy and Neimark

; STREET: 419 Seventh Street N.W., Ste. 300

; CITY: Washington

; STATE: D.C.

; COUNTRY: USA

; ZIP: 20004

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/983,502

; FILING DATE: 16-JAN-1998

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: PCT/US96/10521

; FILING DATE: 14-JUN-1996

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: IL 114,615

; FILING DATE: 16-JUL-1995

; APPLICATION NUMBER: IL 114,986

; FILING DATE: 17-AUG-1995

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: IL 115,319

; FILING DATE: 14-SEP-1995

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: IL 116,588

; FILING DATE: 27-DEC-1995

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: IL 117,932

; FILING DATE: 16-APR-1996

; ATTORNEY/AGENT INFORMATION:

; NAME: Browdy, Roger L.

; REGISTRATION NUMBER: 25,618

; REFERENCE/DOCKET NUMBER: WALLACH=19

; TELECOMMUNICATION INFORMATION:

Sequence 1, Appli  
Sequence 95, Appl  
Sequence 19, Appl  
Sequence 6, Appli  
Sequence 1, Appli  
Sequence 1, Appli  
Sequence 6, Appli  
Sequence 3, Appli  
Sequence 3, Appli  
Sequence 29, Appl  
Sequence 29, Appl  
Sequence 17, Appl  
Sequence 3, Appli  
Sequence 17773, A  
Sequence 1, Appli  
Sequence 20, Appl  
Sequence 1, Appli  
Sequence 4, Appli

## ALIGNMENTS

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;
; TELEPHONE: (202) 628-5197
; TELEFAX: (202) 737-3528
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2887 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-983-502-14
Query Match 100.0%; Score 21; DB 4; Length 2887;
Best Local Similarity 100.0%; Pred. No. 0.2;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTGCGA 21
Db 221 TAGGGGACTCGGAGACTGCGA 241

RESULT 2
US-09-516-747-14
; Sequence 14, Application US/09516747
; Patent No. 6586571
; GENERAL INFORMATION:
; APPLICANT: David WALLACH
; Mark P. BOLDIN
; Tanya M. GONCHAROV
; Yuri V. GOLITSEV
; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
; AND OTHER PROTEINS
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Browdy and Neimark
; STREET: 419 Seventh Street N.W., Ste. 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/516,747
; FILING DATE: 01-Mar-2000
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/983,502
; FILING DATE: <unknown>
; APPLICATION NUMBER: IL 114,615
; FILING DATE: 16-JUL-1995
; APPLICATION NUMBER: IL 114,986
; FILING DATE: 17-AUG-1995
; APPLICATION NUMBER: IL 115,319
; FILING DATE: 14-SEP-1995
; APPLICATION NUMBER: IL 116,588
; FILING DATE: 27-DEC-1995
; APPLICATION NUMBER: IL 117,932
; FILING DATE: 16-APR-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Browdy, Roger L.
; REGISTRATION NUMBER: 25,618
; REFERENCE/DOCKET NUMBER: WALLACH=19
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 628-5197
; TELEFAX: (202) 737-3528
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2887 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-09-516-747-14
Query Match 100.0%; Score 21; DB 4; Length 2887;
Best Local Similarity 100.0%; Pred. No. 0.2;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTGCGA 21
Db 221 TAGGGGACTCGGAGACTGCGA 241

RESULT 3
PCT-US96-10521-14
; Sequence 14, Application PC/TUS9610521
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS
; AND OTHER PROTEINS
; NUMBER OF SEQUENCES: 34
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/10521
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 114,615
; FILING DATE: 16-JUL-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 114,986
; FILING DATE: 17-AUG-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 115,319
; FILING DATE: 14-SEP-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 116,588
; FILING DATE: 27-DEC-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 117,932
; FILING DATE: 16-APR-1996
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2887 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
PCT-US96-10521-14
Query Match 100.0%; Score 21; DB 5; Length 2887;
Best Local Similarity 100.0%; Pred. No. 0.2;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTGCGA 21
Db 221 TAGGGGACTCGGAGACTGCGA 241

RESULT 4
US-09-963-137-62
; Sequence 62, Application US/09963137
; Patent No. 6596036
; GENERAL INFORMATION:
; APPLICANT: Pedersen, Finn S
; APPLICANT: Sorensen, Annette B
; APPLICANT: Hernandez, Javier Martin
; APPLICANT: Nielsen, Anne A
; APPLICANT: Moving, Helle
```

;; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR LYMPHOMA AND LEUKEMIA

;; FILE REFERENCE: A-70981/RMS/DCF  
;; CURRENT APPLICATION NUMBER: US/09/963,137  
;; CURRENT FILING DATE: 2001-09-24  
;; PRIOR APPLICATION NUMBER: US 09/668,644  
;; PRIOR FILING DATE: 2000-09-22  
;; PRIOR APPLICATION NUMBER: US 09/905,390  
;; PRIOR FILING DATE: 2001-07-13  
;; PRIOR APPLICATION NUMBER: US 09/905,491  
;; PRIOR FILING DATE: 2001-07-13  
;; PRIOR APPLICATION NUMBER: US 09/962,929  
;; PRIOR FILING DATE: 2001-09-24  
;; PRIOR APPLICATION NUMBER: US 09/962,854  
;; PRIOR FILING DATE: 2001-09-24  
;; PRIOR APPLICATION NUMBER: US 09/962,916  
;; PRIOR FILING DATE: 2001-09-24  
;; PRIOR APPLICATION NUMBER: US 09/962,855  
;; PRIOR FILING DATE: 2001-09-24  
;; NUMBER OF SEQ ID NOS: 215  
;; SOFTWARE: PatentIn version 3.1  
;; SEQ ID NO 62  
;; LENGTH: 454  
;; TYPE: DNA  
;; ORGANISM: Mus musculus  
;; FEATURE:  
;; NAME/KEY: misc feature  
;; LOCATION: (9)-(434)  
;; OTHER INFORMATION: "n" at 9, 124 and 434 can be any base.  
US-09-963-137-62

Query Match 73.3%; Score 15.4; DB 4; Length 454;  
Best Local Similarity 94.1%; Pred. No. 96;  
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 GGGGACTCGGAGACTGC 19  
|||||  
Db 20 GGGGACTCGGAGACTGC 36

## RESULT 5

US-09-252-991A-4514/c  
;; Sequence 4514, Application US/09252991A  
;; Patent No. 6551795  
;; GENERAL INFORMATION:  
;; APPLICANT: Marc J. Rubenfield et al.  
;; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
;; FILE REFERENCE: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
;; FILE REFERENCE: 107196.136  
;; CURRENT APPLICATION NUMBER: US/09/252,991A  
;; CURRENT FILING DATE: 1999-02-18  
;; PRIOR APPLICATION NUMBER: US 60/074,788  
;; PRIOR FILING DATE: 1998-02-18  
;; PRIOR APPLICATION NUMBER: US 60/094,190  
;; PRIOR FILING DATE: 1998-07-27  
;; NUMBER OF SEQ ID NOS: 33142  
;; SEQ ID NO 4514  
;; LENGTH: 633  
;; TYPE: DNA  
;; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-4514

Query Match 73.3%; Score 15.4; DB 4; Length 633;  
Best Local Similarity 94.1%; Pred. No. 98;  
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 GGGGACTCGGAGACTGC 19  
|||||  
Db 560 GGGGACTCGGAGACTGC 544

## RESULT 6

US-09-252-991A-4410/c  
;; Sequence 4410, Application US/09252991A

;; Patent No. 6551795  
;; GENERAL INFORMATION:  
;; APPLICANT: Marc J. Rubenfield et al.  
;; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
;; FILE REFERENCE: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
;; FILE REFERENCE: 107196.136  
;; CURRENT APPLICATION NUMBER: US/09/252,991A  
;; CURRENT FILING DATE: 1999-02-18  
;; PRIOR APPLICATION NUMBER: US 60/074,788  
;; PRIOR FILING DATE: 1998-02-18  
;; PRIOR APPLICATION NUMBER: US 60/094,190  
;; PRIOR FILING DATE: 1998-07-27  
;; NUMBER OF SEQ ID NOS: 33142  
;; SEQ ID NO 4410  
;; LENGTH: 771  
;; TYPE: DNA  
;; ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-4410

Query Match 73.3%; Score 15.4; DB 4; Length 771;  
Best Local Similarity 94.1%; Pred. No. 1e+02;  
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 3 GGGGACTCGGAGACTGC 19  
|||||  
Db 57 GGGGACTCGGAGACTGC 41

## RESULT 7

US-09-028-328-2  
;; Sequence 2, Application US/09028328  
;; Patent No. 6218113  
;; GENERAL INFORMATION:  
;; APPLICANT: Yue, Henry  
;; APPLICANT: Hillman, Jennifer L.  
;; APPLICANT: Corley, Neil C.  
;; TITLE OF INVENTION: HUMAN PROTEIN KINASE C INHIBITOR  
;; NUMBER OF SEQUENCES: 4  
;; CORRESPONDENCE ADDRESS:  
;; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
;; STREET: 3174 Porter Dr.  
;; CITY: Palo Alto  
;; STATE: CA  
;; COUNTRY: USA  
;; ZIP: 94304  
;; COMPUTER READABLE FORM:  
;; MEDIUM TYPE: Diskette  
;; COMPUTER: IBM Compatible  
;; OPERATING SYSTEM: DOS  
;; SOFTWARE: FastSeq for Windows Version 2.0  
;; CURRENT APPLICATION DATA:  
;; APPLICATION NUMBER: US/09/028,328  
;; FILING DATE: Filed Herewith  
;; PRIOR APPLICATION DATA:  
;; APPLICATION NUMBER:  
;; FILING DATE:  
;; ATTORNEY/AGENT INFORMATION:  
;; NAME: Billings, Lucy J.  
;; REGISTRATION NUMBER: 36,749  
;; REFERENCE/DOCKET NUMBER: PF-0483 US  
;; TELECOMMUNICATION INFORMATION:  
;; TELEPHONE: 650-855-0555  
;; TELEFAX: 650-845-4166  
;; INFORMATION FOR SEQ ID NO: 2:  
;; SEQUENCE CHARACTERISTICS:  
;; LENGTH: 1209 base pairs  
;; TYPE: nucleic acid  
;; STRANDEDNESS: single  
;; TOPOLOGY: linear  
;; IMMEDIATE SOURCE:  
;; LIBRARY: SININOT04  
;; CLONE: 2922091  
US-09-028-328-2

Query Match 73.3%; Score 15.4; DB 3; Length 1209;  
Best Local Similarity 94.1%; Pred. No. 1e-02;  
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GGGACTCGGAGACTGCG 20  
||||| |||||||

Db 186 GGGACGGGAGACTGCG 202  
||||| |||||||

RESULT 8  
US-09-620-312D-647/c  
; Sequence 647, Application US/09620312D  
; Patent No. 6569662  
; GENERAL INFORMATION:  
; APPLICANT: Tang, Y. Tom  
; APPLICANT: Liu, Chenghua  
; APPLICANT: Asundi, Vinod  
; APPLICANT: Zhang, Jie  
; APPLICANT: Ren, Feiyan  
; APPLICANT: Chen, Rui-hong  
; APPLICANT: Zhao, Qing A.  
; APPLICANT: Wehrman, Tom  
; APPLICANT: Xue, Aidong J.  
; APPLICANT: Yang, Yonghong  
; APPLICANT: Wang, Jian-Rui  
; APPLICANT: Zhou, Ping  
; APPLICANT: Ma, Yungqing  
; APPLICANT: Wang, Dunrui  
; APPLICANT: Wang, Zhiwei  
; APPLICANT: John Tillinghast  
; APPLICANT: Drmanac, Radoje T.  
; TITLE OF INVENTION: No. 6569662e1 Nucleic Acids and  
; FILE REFERENCE: 784CIP2B  
; CURRENT APPLICATION NUMBER: US/09/620,312D  
; PRIOR FILING DATE: 2000-07-19  
; PRIOR APPLICATION NUMBER: 09/552,317  
; PRIOR FILING DATE: 2000-04-25  
; PRIOR APPLICATION NUMBER: 09/488,725  
; PRIOR FILING DATE: 2000-01-21  
; NUMBER OF SEQ ID NOS: 1105  
; SOFTWARE: pt\_FL\_genes Version 1.0  
; SEQ ID NO 647  
; LENGTH: 1886  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (202)..(1152)  
; FEATURE:  
; NAME/KEY: misc feature  
; LOCATION: (1)..(1886)  
; OTHER INFORMATION: n = a,t,c,g or g  
US-09-620-312D-647

Query Match 73.3%; Score 15.4; DB 4; Length 1886;  
Best Local Similarity 94.1%; Pred. No. 1.1e-02;  
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 GGGGACTCGGAGACTGC 19  
||||| |||||||

Db 330 GGGGAATCGGAGACTGC 314  
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RESULT 9  
PCT-US94-07659-7/c  
; Sequence 7, Application PC/TUS9407659  
; GENERAL INFORMATION:  
; APPLICANT: Young, Peter  
; APPLICANT: Gross, Mitchell  
; APPLICANT: Jonak, Zdenka L.  
; APPLICANT: Theisen, Timothy

APPLICANT: Hurlle, Mark  
APPLICANT: Jackson, Jeffrey R.  
TITLE OF INVENTION: Recombinant and Humanized IL-1 beta  
TITLE OF INVENTION: Antibodies for Treatment of IL-1 Mediated Inflammatory  
TITLE OF INVENTION: Disorders in Man  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SmithKline Beecham Corporation - Corp.  
ADDRESSEE: Intellectual Property  
STREET: 709 Swedeland Road  
CITY: King of Prussia  
STATE: PA  
COUNTRY: USA  
ZIP: 19406-2799  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US94/07659  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/090,534  
FILING DATE: 09-JUL-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Sutton, Jeffrey A.  
REGISTRATION NUMBER: 34,028  
REFERENCE/DOCKET NUMBER: P50171-1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (610) 270-5024  
TELEFAX: (610) 270-5090  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 321 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: unknown  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..321  
PCT-US94-07659-7

Query Match 72.4%; Score 15.2; DB 5; Length 321;  
Best Local Similarity 85.0%; Pred. No. 1.2e-02;  
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGAGCTCGGAGACTGCG 20  
||||| |||||||

Db 33 TAGGGAGCTCGGAGACTGAG 14  
||||| |||||||

RESULT 10  
US-09-328-111-397/c  
; Sequence 397, Application US/09328111  
; Patent No. 6262333  
; GENERAL INFORMATION:  
; APPLICANT: Endege, Wilson O.  
; APPLICANT: Steinmann, Kathleen E.  
; APPLICANT: Astle, Jon H.  
; APPLICANT: Burgess, Christopher C.  
; APPLICANT: Bushnell, Steven E.  
; APPLICANT: Carroll III, Eddie  
; APPLICANT: Catino, Theodore J.  
; APPLICANT: Derti, Adnan  
; APPLICANT: Ford, Donna M.  
; APPLICANT: Lewis, Marcia E.  
; APPLICANT: Monahan, John E.  
; APPLICANT: Schlegel, Robert  
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION  
; TITLE OF INVENTION: PRODUCTS



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; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; CURRENT FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 397
; LENGTH: 588
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(588)
; OTHER INFORMATION: n = A,T,C or G
US-09-328-111-397

Query Match 72.4%; Score 15.2; DB 3; Length 588;
Best Local Similarity 85.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGGGGACTCGGAGACTGGCA 21
Db 314 AGGGGACTGGGGGACTGGCA 295

RESULT 11
US-09-328-111-487
; Sequence 487, Application US/09328111
; Patent No. 6262333
; GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steinmann, Kathleen E.
; APPLICANT: Astle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Cartoll III, Eddie
; APPLICANT: Catino, Theodore J.
; APPLICANT: Derti, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; CURRENT FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 487
; LENGTH: 618
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(618)
; OTHER INFORMATION: n = A,T,C or G
US-09-328-111-487

Query Match 72.4%; Score 15.2; DB 3; Length 618;
Best Local Similarity 85.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGGGGACTCGGAGACTGGCA 21
Db 466 AGGGGACTGGGGGACTGGCA 485

RESULT 12
US-09-328-111-490
; Sequence 490, Application US/09328111
; Patent No. 6262333
; GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steinmann, Kathleen E.
; APPLICANT: Astle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Cartoll III, Eddie
; APPLICANT: Catino, Theodore J.
; APPLICANT: Derti, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; CURRENT FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 490
; LENGTH: 620
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(620)
; OTHER INFORMATION: n = A,T,C or G
US-09-328-111-490

Query Match 72.4%; Score 15.2; DB 3; Length 620;
Best Local Similarity 85.0%; Pred. No. 1.2e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGGGGACTCGGAGACTGGCA 21
Db 465 AGGGGACTGGGGGACTGGCA 484

RESULT 13
US-09-177-419C-7/c
; Sequence 7, Application US/09177419C
; Patent No. 6562609
; GENERAL INFORMATION:
; APPLICANT: Russel, David W
; APPLICANT: Lund, Erik G
; TITLE OF INVENTION: Cholesterol 25-Hydroxylase
; FILE REFERENCE: UTS01370
; CURRENT APPLICATION NUMBER: US/09/177,419C
; CURRENT FILING DATE: 1998-10-22
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 954
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-177-419C-7

Query Match 72.4%; Score 15.2; DB 4; Length 954;
Best Local Similarity 85.0%; Pred. No. 1.3e+02;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTGCG 20
Db 523 TGGGGACTCTGAGTCTGCG 504
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RESULT 14  
US-09-023-655-1016  
Sequence 1016, Application US/09023655  
Patent No. 6607879  
GENERAL INFORMATION:  
APPLICANT: Cocks, Benjamin G.  
APPLICANT: Susan G. Stuart  
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE  
TITLE OF INVENTION: EXPRESSION  
NUMBER OF SEQUENCES: 1508  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
STREET: 3174 PORTER DRIVE  
CITY: PALO ALTO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/023,655  
FILING DATE: HEREWITH  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Zeller, Karen J.  
REGISTRATION NUMBER: 37,071  
REFERENCE/DOCKET NUMBER: PA-0001 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 855-0555  
TELEFAX: (650) 845-4166  
INFORMATION FOR SEQ ID NO: 1016:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1557 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: GENBANK  
CLONE: G179410  
US-09-023-655-1016

Query Match 72.4%; Score 15.2; DB 4; Length 1557;  
Best Local Similarity 85.0%; Pred. No. 1.3e-02;  
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGGGGACTCGGAGACTCGGA 21  
|||||  
DB 693 AGGGGACTCGGAGACTCGGA 712

RESULT 15  
PCT-US91-09784-1  
Sequence 1, Application PC/TUS9109784  
GENERAL INFORMATION:  
APPLICANT: Davies, Peter JA  
APPLICANT: Stein, Joseph P  
TITLE OF INVENTION: CLONING AND EXPRESSION OF TISSUE  
TITLE OF INVENTION: TRANSGUTAMINASE  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Steven W. Parmelee  
STREET: One Market Plaza, Steuart Tower, Suite  
STREET: 2000  
CITY: San Francisco

STATE: California  
COUNTRY: U.S.A.  
ZIP: 94105  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.24  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US91/09784  
FILING DATE: 19911230  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/07/635,756  
FILING DATE: 04-JAN-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Parmelee, Steven W.  
REGISTRATION NUMBER: 31,990  
REFERENCE/DOCKET NUMBER: 13952-7  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 543-9600  
TELEFAX: (415) 543-5043  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3257 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: N  
ANTI-SENSE: N  
ORIGINAL SOURCE:  
ORGANISM: Homo sapiens  
DEVELOPMENTAL STAGE: Adult  
TISSUE TYPE: Umbilical vein  
CELL TYPE: Endothelial  
CELL LINE: HUVEC  
IMMEDIATE SOURCE:  
CLONE: HIG-1  
POSITION IN GENOME:  
UNITS: bp  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 136..2199  
OTHER INFORMATION:  
PCT-US91-09784-1

Query Match 72.4%; Score 15.2; DB 5; Length 3257;  
Best Local Similarity 85.0%; Pred. No. 1.4e+02;  
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGGGGACTCGGAGACTCGGA 21  
|||||  
DB 3089 AGGGGACTCGGAGACTCGGA 3108

Search completed: September 16, 2004, 16:26:57  
Job time : 39.5115 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

CM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 15:53:12 ; Search time 187.076 Seconds  
(without alignments)  
566.594 Million cell updates/sec

Title: US-09-477-082-33  
Perfect score: 21  
Sequence: 1 taggggactcggagactcgga 21

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 3327077 seqs, 2523723180 residues

Total number of hits satisfying chosen parameters: 6654154

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications NA:  
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2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq:  
3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:  
4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq:  
5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq:  
6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq:  
7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq:  
8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq:  
9: /cgn2\_6/ptodata/2/pubpna/US09A\_PUBCOMB.seq:  
10: /cgn2\_6/ptodata/2/pubpna/US09B\_PUBCOMB.seq:  
11: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq:  
12: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq:  
13: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq:  
14: /cgn2\_6/ptodata/2/pubpna/US10A\_PUBCOMB.seq:  
15: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq:  
16: /cgn2\_6/ptodata/2/pubpna/US10C\_PUBCOMB.seq:  
17: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq:  
18: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:  
19: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	21	100.0	60	10	US-09-908-975-31650
2	21	100.0	2887	16	Sequence 31650, A
3	17.8	84.8	520	17	Sequence 14, Appl
4	17	81.0	1720	13	Sequence 29500, A
5	17	81.0	1720	16	Sequence 175133, A
6	16.8	80.0	527	15	Sequence 175133, A
7	16.2	77.1	540	17	Sequence 11892, A
8	16.2	77.1	639	17	Sequence 11892, A
9	16.2	77.1	723	17	Sequence 26495, A
10	16.2	77.1	1040	13	Sequence 49565, A
11	16.2	77.1	1125	17	Sequence 20527, A
12	16.2	77.1	1151	13	Sequence 7317, Ap
13	16.2	77.1	2587	13	Sequence 30413, A
14	16.2	77.1	3265	13	Sequence 27148, A
					Sequence 34280, A
					Sequence 112533, A

C 15	16.2	77.1	3265	13	US-10-027-632-112534
C 16	16.2	77.1	3265	16	US-10-027-632-112534
C 17	16.2	77.1	3265	16	US-10-027-632-112534
C 18	16	76.2	421	17	US-10-437-963-95277
C 19	15.8	75.2	107	9	US-09-864-761-22038
C 20	15.8	75.2	282	17	US-10-437-963-11227
C 21	15.8	75.2	445	9	US-09-864-761-5262
C 22	15.8	75.2	504	10	US-09-918-995-26892
C 23	15.8	75.2	600	9	US-09-263-959-382
C 24	15.8	75.2	1099	9	US-09-263-959-245
C 25	15.8	75.2	1244	14	US-10-044-090-139
C 26	15.8	75.2	1533	15	US-10-156-761-2574
C 27	15.8	75.2	1566	14	US-10-044-090-141
C 28	15.8	75.2	2841	16	US-10-094-749-1158
C 29	15.8	75.2	9542	9	US-09-764-847-1809
C 30	15.8	75.2	9542	15	US-10-092-154-1809
C 31	15.8	75.2	11360	17	US-10-437-963-23278
C 32	15.8	75.2	27684	16	US-10-034-650-28
C 33	15.8	75.2	49589	17	US-10-322-281-814
C 34	15.8	75.2	55050	17	US-10-467-752-4
C 35	15.8	75.2	684973	9	US-09-263-959-1
C 36	15.8	75.2	9025608	15	US-10-156-761-1
C 37	15.4	73.3	454	13	US-09-963-131-62
C 38	15.4	73.3	492	10	US-09-918-995-37972
C 39	15.4	73.3	541	13	US-10-027-632-182838
C 40	15.4	73.3	541	15	US-10-027-632-182838
C 41	15.4	73.3	639	13	US-10-027-632-215346
C 42	15.4	73.3	639	13	US-10-027-632-215346
C 43	15.4	73.3	639	16	US-10-027-632-215346
C 44	15.4	73.3	639	16	US-10-027-632-215347
C 45	15.4	73.3	791	9	US-09-764-868-506

ALIGNMENTS

RESULT 1  
US-09-908-975-31650  
; Sequence 31650, Application US/09908975  
; Publication No. US20030165843A1  
; GENERAL INFORMATION:  
; APPLICANT: SHOSHAN, Avi  
; APPLICANT: WASSERMAN, Alon  
; APPLICANT: MINTZ, Eli  
; APPLICANT: MINTZ, Liat  
; APPLICANT: FAIGLER, Simchon  
; TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLICE  
; TITLE OF INVENTION: THAT POPULATE A TRANSCRIPTOME  
; FILE REFERENCE: 36688-0005  
; CURRENT APPLICATION NUMBER: US/09/908,975  
; CURRENT FILING DATE: 2001-07-20  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: US 60/287,724  
; PRIOR FILING DATE: 2001-05-02  
; PRIOR APPLICATION NUMBER: US 60/221,607  
; PRIOR FILING DATE: 2000-07-28  
; NUMBER OF SEQ ID NOS: 32337  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 31650  
; LENGTH: 60  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-908-975-31650

Query Match 100.0%; Score 21; DB 10; Length 60;  
Best Local Similarity 100.0%; Pred. No. 2;  
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TAGGGGACTCGGAGACTCGGA 21

Db 19 TAGGGGACTCGGAGACTCGGA 39

RESULT 2

US-10-368-438-14  
; Sequence 14, Application US/10368438  
; Publication No. US20030219411A1  
; GENERAL INFORMATION:  
; APPLICANT: David WALLACH  
; Mark P. BOLDIN  
; Tanya M. GONCHAROV  
; Yuri V. GOLTSEV  
; TITLE OF INVENTION: MODULATORS OF THE FUNCTION OF FAS RECEPTORS  
; AND OTHER PROTEINS  
; NUMBER OF SEQUENCES: 34  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Browdy and Neimark  
; STREET: 419 Seventh Street N.W., Ste. 300  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20004  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/10/368,438  
; FILING DATE: 20-Feb-2003  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/08/983,502  
; FILING DATE: 16-JAN-1998  
; APPLICATION NUMBER: PCT/US96/10521  
; FILING DATE: 14-JUN-1996  
; APPLICATION NUMBER: IL 114,615  
; FILING DATE: 16-JUL-1995  
; APPLICATION NUMBER: IL 114,986  
; FILING DATE: 17-AUG-1995  
; APPLICATION NUMBER: IL 115,319  
; FILING DATE: 14-SEP-1995  
; APPLICATION NUMBER: IL 116,588  
; FILING DATE: 27-DEC-1995  
; APPLICATION NUMBER: IL 117,932  
; FILING DATE: 16-APR-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Browdy, Roger L.  
; REGISTRATION NUMBER: 25,618  
; REFERENCE/DOCKET NUMBER: WALLACH-19  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (202) 628-5197  
; TELEFAX: (202) 737-3528  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 2887 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA  
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:  
US-10-368-438-14  
Query Match 100.0%; Score 21; DB 16; Length 2887;  
Best Local Similarity 100.0%; Pred. No. 1.1;  
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 TAGGGGACTCGGAGACTGCGA 21  
DB 221 TAGGGGACTCGGAGACTGCGA 241  
RESULT 3  
US-10-767-701-29500/c  
; Sequence 29500, Application US/10767701  
; Publication No. US20040172684A1  
; GENERAL INFORMATION:  
; APPLICANT: Kovalic, David K.  
US-10-368-438-14  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with  
; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement  
; FILE REFERENCE: 38-21(53535)B  
; CURRENT APPLICATION NUMBER: US/10/767,701  
; CURRENT FILING DATE: 2004-01-29  
; NUMBER OF SEQ ID NOS: 63128  
; SEQ ID NO 29500  
; LENGTH: 520  
; TYPE: DNA  
; ORGANISM: Sorghum bicolor  
; FEATURE:  
; OTHER INFORMATION: Clone ID: 9301258  
US-10-767-701-29500  
Query Match 84.8%; Score 17.8; DB 17; Length 520;  
Best Local Similarity 90.5%; Pred. No. 47;  
Matches 19; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
QY 1 TAGGGGACTCGGAGACTGCGA 21  
DB 222 TAGGAGACTCGGAGACGCGA 202  
RESULT 4  
US-10-027-632-175133/c  
; Sequence 175133, Application US/10027632  
; Publication No. US20020198371A1  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; TITLE OF INVENTION: Polymorphisms in the Human Genome  
; FILE REFERENCE: 108827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/185,218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167,363  
; PRIOR FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: US 60/156,358  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/146,002  
; PRIOR FILING DATE: 1999-08-09  
; NUMBER OF SEQ ID NOS: 325720  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 175133  
; LENGTH: 1720  
; TYPE: DNA  
; ORGANISM: Human  
US-10-027-632-175133  
Query Match 81.0%; Score 17; DB 13; Length 1720;  
Best Local Similarity 81.0%; Pred. No. 92;  
Matches 17; Conservative 2; Mismatches 2; Indels 0; Gaps 0;  
QY 1 TAGGGGACTCGGAGACTGCGA 21  
DB 87 TAGGGGCRCKTGAGACTGCGA 67  
RESULT 5  
US-10-027-632-175133/c  
; Sequence 175133, Application US/10027632  
; Publication No. US20030204075A9  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.

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; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 175133
; LENGTH: 1720
; TYPE: DNA
; ORGANISM: Human
;
US-10-027-632-175133

Query Match      81.0%; Score 17; DB 16; Length 1720;
Best Local Similarity 81.0%; Pred. No. 92;
Matches 17; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTGCGA 21
Db 87 TAGGGGCKTGGAGACTGGGA 57

RESULT 6
US-10-029-386-11892
; Sequence 11892, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Shazron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annotmax Sequence Listing Engine vers. 1.1
; SEQ ID NO 11892
; LENGTH: 527
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO CHR14.3
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.97
; OTHER INFORMATION: EST_HUMAN HIT: AW246988.1, EVALUATE 0.00e+00
; OTHER INFORMATION: NT HIT: G17305458, EVALUATE 5.00e-01
; OTHER INFORMATION: SWISSPROT HIT: O00192, EVALUATE 7.40e-01
US-10-029-386-11892

Query Match      80.0%; Score 16.8; DB 15; Length 527;
Best Local Similarity 90.0%; Pred. No. 1.4e+02;
Matches 18; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTGCG 20
Db 175 TGGGGGACTCGAGACTGCG 194

RESULT 7
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US-10-767-701-26495/c
; Sequence 26495, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 26495
; LENGTH: 540
; TYPE: DNA
; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: 30975379
US-10-767-701-26495

Query Match      77.1%; Score 16.2; DB 17; Length 540;
Best Local Similarity 85.7%; Pred. No. 2.7e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTGCGA 21
Db 81 TAGGGGACTCTGGGACTGGGA 61

RESULT 8
US-10-437-963-49565
; Sequence 49565, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 49565
; LENGTH: 639
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_52137C.1
US-10-437-963-49565

Query Match      77.1%; Score 16.2; DB 17; Length 639;
Best Local Similarity 85.7%; Pred. No. 2.6e+02;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTGCGA 21
Db 209 TAGGGGACGCGGAGCGCGGA 229

RESULT 9
US-10-437-963-20527/c
; Sequence 20527, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
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; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 34280
; LENGTH: 2587
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: UC-ZMFLM017241A02_FLI
US-10-425-114-34280

Query Match
Best Local Similarity 77.1%; Score 16.2; DB 13; Length 2587;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTCGGA 21
|||||
DB 229 TAGGAGACTCGGATACGGCGA 209

RESULT 14
US-10-027-632-112533/c
; Sequence 112533, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 112533
; LENGTH: 3265
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-112533

Query Match
Best Local Similarity 77.1%; Score 16.2; DB 13; Length 3265;
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 TAGGGGACTCGGAGACTCGGA 21
|||||
DB 2974 TAGGGGACTCGGAGACTGTGA 2954

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Job time : 196.076 secs
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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 12:06:21 ; Search time 37.5115 seconds  
(without alignments)  
310.678 Million cell updates/sec

Title: US-09-477-082-34  
Perfect score: 21  
Sequence: 1 cgtgtatctgcattcgaggcg 21

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.\*  
1: /cgn2\_6/ptodata/2/ina/5A COMB.seq.\*  
2: /cgn2\_6/ptodata/2/ina/5B COMB.seq.\*  
3: /cgn2\_6/ptodata/2/ina/6A COMB.seq.\*  
4: /cgn2\_6/ptodata/2/ina/6B COMB.seq.\*  
5: /cgn2\_6/ptodata/2/ina/PTUS COMB.seq.\*  
6: /cgn2\_6/ptodata/2/ina/backfiles1.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	15.4	73.3	50341	1	US-08-247-901C-1
C 2	15.4	73.3	50341	2	US-09-075-904-1
C 3	15.4	73.3	52297	3	US-09-425-436-1
C 4	15.4	73.3	52297	4	US-08-705-557-1
C 5	15.2	72.4	97	5	US-09-259-797-75
C 6	15.2	72.4	97	5	PCT-US96-09451-75
C 7	15.2	72.4	6250	1	US-08-729-214-23
C 8	15.2	72.4	6250	3	US-09-028-934-23
C 9	14.8	70.5	282	4	US-09-107-532A-2336
C 10	14.8	70.5	1989	2	US-08-792-055-1
C 11	14.8	70.5	7400	3	US-09-116-032-1
C 12	14.8	70.5	8050	3	US-09-491-362-11
C 13	14.8	70.5	8050	4	US-09-874-562-11
C 14	14.8	70.5	536165	4	US-09-214-808-1
C 15	14.8	70.5	4403765	3	US-09-103-840A-2
C 16	14.8	70.5	4403765	3	US-09-103-840A-2
C 17	14.8	70.5	4411529	3	US-09-103-840A-1
C 18	14.8	70.5	4411529	3	US-09-103-840A-1
C 19	14.6	69.5	1632	1	US-08-362-232-1
C 20	14.6	69.5	1632	1	US-08-814-196-1
C 21	14.6	69.5	2472	1	US-08-221-750A-2
C 22	14.6	69.5	7742	1	US-08-221-750A-1
C 23	14.6	69.5	10478	4	US-09-445-774-16
C 24	14.4	68.6	290	4	US-09-313-294A-619
C 25	14.4	68.6	10803	3	US-09-080-044-1
C 26	14.4	68.6	10803	4	US-09-531-857A-1
C 27	14.2	67.6	131	4	US-09-313-294A-3943

ALIGNMENTS

RESULT 1

US-08-247-901C-1/c  
Sequence 1, Application US/08247901C

Patent No. 5750384

GENERAL INFORMATION:

APPLICANT: Jacobs et al

TITLE OF INVENTION: L5 SHUTTLE PHASMIDS

NUMBER OF SEQUENCES: 1

CORRESPONDENCE ADDRESS:

ADDRESSEE: Amster, Rothstein & Ebenstein

STREET: 90 Park Avenue

CITY: New York

STATE: New York

COUNTRY: U.S.A.

ZIP: 10016

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 inch 1.44 Mb storage diskette

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: MS-DOS

SOFTWARE: Word Processor (ASCII)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/247,901C

FILING DATE: May 23, 1994

CLASSIFICATION: 435

PRIOR APPLICATION NUMBER: 08/057,531

APPLICATION NUMBER: 08/057,531

FILING DATE: April 29, 1993

ATTORNEY/AGENT INFORMATION:

NAME: Bogosian, Elizabeth A

REGISTRATION NUMBER: 39,911

REFERENCE/DOCKET NUMBER: 96700/273

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 697-5995

TELEFAX: (212) 286-0854 or 286-0082

TELEX: TWX 710-581-4766

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 50341

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE:

DESCRIPTION: L5 shuttle phasmid sequence

HYPOTHETICAL: NO

ANTI-SENSE:

FRAGMENT TYPE:

ORIGINAL SOURCE:

ORGANISM: L5 mycobacteriophage

STRAIN: INDIVIDUAL ISOLATE:

Sequence 7, Appli  
Sequence 7, Appli  
Sequence 204, Ap  
Sequence 20, App  
Sequence 6016, Ap  
Sequence 407, App  
Sequence 48, Appl  
Sequence 10375, A  
Sequence 8071, Ap  
Sequence 10257, A  
Sequence 231, App  
Sequence 10471, A  
Sequence 49, Appl  
Sequence 49, Appl  
Sequence 49, Appl  
Sequence 49, Appl  
Sequence 120, App  
Sequence 120, App

C 28 14.2 67.6 282 2 US-08-245-511-7  
C 29 14.2 67.6 282 2 US-08-600-983A-7  
C 30 14.2 67.6 471 4 US-09-621-376-2304  
C 31 14.2 67.6 473 4 US-09-281-017B-220  
C 32 14.2 67.6 495 4 US-09-252-991A-8016  
C 33 14.2 67.6 510 4 US-09-621-376-407  
C 34 14.2 67.6 561 4 US-09-891-641-48  
C 35 14.2 67.6 600 4 US-09-252-991A-10375  
C 36 14.2 67.6 642 4 US-09-252-991A-8071  
C 37 14.2 67.6 651 4 US-09-252-991A-10257  
C 38 14.2 67.6 708 4 US-09-134-000C-231  
C 39 14.2 67.6 930 4 US-09-252-991A-10471  
C 40 14.2 67.6 1381 2 US-08-454-557C-49  
C 41 14.2 67.6 1381 2 US-08-340-426D-49  
C 42 14.2 67.6 1381 2 US-08-450-673C-49  
C 43 14.2 67.6 1381 5 PCT-US95-17111A-49  
C 44 14.2 67.6 1418 5 PCT-US95-17111A-120  
C 45 14.2 67.6 1442 2 US-08-454-557C-120

DEVELOPMENTAL STAGE:  
HAPLOTYPE:  
TISSUE TYPE:  
CELL TYPE:  
CELL LINE:  
ORGANELLE:  
IMMEDIATE SOURCE:  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT:  
FEATURE:  
NAME/KEY:  
LOCATION:  
IDENTIFICATION METHOD:  
OTHER INFORMATION:  
PUBLICATION INFORMATION: No. 5750384e  
AUTHORS:  
TITLE:  
JOURNAL:  
VOLUME:  
PAGES:  
DATE:  
DOCUMENT NUMBER:  
FILING DATE:  
PUBLICATION DATE:  
RELEVANT RESIDUES IN SEQ ID NO:

Query Match 73.3%; Score 15.4; DB 1; Length 50341;  
Best Local Similarity 94.1%; Pred. No. 89;  
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GTATCTGCATTCGAGGC 20  
DB 22546 GTAGCTGCATTCGAGGC 22530

RESULT 2  
US-09-075-904-1/c  
Sequence 1, Application US/09075904

PATENT No. 5994137  
GENERAL INFORMATION:  
APPLICANT: Jacobs, et al.  
TITLE OF INVENTION: L5 SHUTTLE PHASMIDS  
NUMBER OF SEQUENCES: 1  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Amster, Rothstein & Ebenstein  
STREET: 90 Park Avenue  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch 1.44 Mb storage diskette  
COMPUTER: IBM PC Compatible  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: Word Processor (ASCII)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/075,904  
FILING DATE: May 11, 1998  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/247,901  
FILING DATE: May 23, 1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Bogosian, Elizabeth A  
REGISTRATION NUMBER: 39,911  
REFERENCE/DOCKET NUMBER: 96700/475  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 697-5995  
TELEFAX: (212) 286-0854 or 286-0082  
TELEX: TWX 710-581-4766  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:

LENGTH: 50341  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: L5 shuttle phasmid sequence  
DESCRIPTION: No  
HYPOTHETICAL: No  
ANTI-SENSE:  
FRAGMENT TYPE:  
ORIGINAL SOURCE:  
ORGANISM: L5 mycobacteriophage

STRAIN:  
INDIVIDUAL ISOLATE:  
DEVELOPMENTAL STAGE:  
HAPLOTYPE:  
TISSUE TYPE:  
CELL TYPE:  
CELL LINE:  
ORGANELLE:  
IMMEDIATE SOURCE:  
POSITION IN GENOME:  
CHROMOSOME/SEGMENT:  
FEATURE:

NAME/KEY:  
LOCATION:  
IDENTIFICATION METHOD:  
OTHER INFORMATION:  
PUBLICATION INFORMATION: No. 5994137e  
AUTHORS:  
TITLE:  
JOURNAL:  
VOLUME:  
PAGES:  
DATE:  
DOCUMENT NUMBER:  
FILING DATE:  
PUBLICATION DATE:  
RELEVANT RESIDUES IN SEQ ID NO:

US-09-075-904-1

Query Match 73.3%; Score 15.4; DB 2; Length 50341;  
Best Local Similarity 94.1%; Pred. No. 89;  
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GTATCTGCATTCGAGGC 20  
DB 22546 GTAGCTGCATTCGAGGC 22530

RESULT 3  
US-09-426-436-1/c  
Sequence 1, Application US/09426436

PATENT No. 6225066  
GENERAL INFORMATION:  
APPLICANT: William R. Jacobs, Jr.  
APPLICANT: Barry R. Bloom  
APPLICANT: Graham F. Hatfull  
TITLE OF INVENTION: MYCOBACTERIAL SPECIES-SPECIFIC  
NUMBER OF SEQUENCES: 1  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Amster, Rothstein & Ebenstein  
STREET: 90 Park Avenue  
CITY: New York  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10016  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch 1.44 Mb storage diskette  
COMPUTER: IBM PC Compatible  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: Word Processor (ASCII)  
CURRENT APPLICATION DATA:

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; APPLICATION NUMBER: US/09/426,436
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/705,557
; FILING DATE:
; APPLICATION NUMBER: US/08/057,531
; FILING DATE:
; APPLICATION NUMBER: 07/833,431
; FILING DATE: February 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Pasqualini, Patricia A.
; REGISTRATION NUMBER: 34,894
; REFERENCE/DOCKET NUMBER: 96700/238
; TELEPHONE: (212) 697-5995
; TELEFAX: (212) 286-0854 or 286-0082
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 52297
; TYPE: nucleotide
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE:
; DESCRIPTION: phage genome sequence
; HYPOTHETICAL: no
; ANTI-SENSE: no
; FRAGMENT TYPE: not applicable.
; ORIGINAL SOURCE:
; ORGANISM: mycobacteriophage L5
; STRAIN: not applicable
; INDIVIDUAL ISOLATE: L5
; DEVELOPMENTAL STAGE: not applicable
; HAPLOTYPE: not applicable
; TISSUE TYPE: not applicable
; CELL TYPE: not applicable
; CELL LINE: not applicable
; ORGANELLE: not applicable
; IMMEDIATE SOURCE: mycobacteriophage L5 particles
; POSITION IN GENOME: entire genome
; FEATURE:
; NAME/KEY:
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION:
; PUBLICATION INFORMATION:
; AUTHORS: Hatfull and Sarkis
; TITLE: DNA Sequence, Structure and Gene
; TITLE: Expression of Mycobacteriophage L5:
; TITLE: A Phage System for Mycobacterial
; TITLE: Genetics
; JOURNAL: Molecular Microbiology
; VOLUME: 7
; PAGES: 395-405
; DATE: 1993
; US-09-426-436-1

Query Match 73.3%; Score 15.4; DB 3; Length 52297;
Best Local Similarity 94.1%; Pred. No. 90;
Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GTATCTGCATTCGAGGC 20
Db 22443 GTAGCTGCATTCGAGGC 22427
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RESULT 4
US-08-705-557-1/c
; Sequence 1, Application US/08705557
; Patent No. 6300061
; GENERAL INFORMATION:
; APPLICANT: William R. Jacobs, Jr.
; APPLICATION NUMBER: US/08/705,557-1
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/057,531
; FILING DATE:
; APPLICATION NUMBER: 07/833,431
; FILING DATE: February 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Pasqualini, Patricia A.
; REGISTRATION NUMBER: 34,894
; REFERENCE/DOCKET NUMBER: 96700/238
; TELEPHONE: (212) 697-5995
; TELEFAX: (212) 286-0854 or 286-0082
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 52297
; TYPE: nucleotide
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE:
; DESCRIPTION: phage genome sequence
; HYPOTHETICAL: no
; ANTI-SENSE: no
; FRAGMENT TYPE: not applicable.
; ORIGINAL SOURCE:
; ORGANISM: mycobacteriophage L5
; STRAIN: not applicable
; INDIVIDUAL ISOLATE: L5
; DEVELOPMENTAL STAGE: not applicable
; HAPLOTYPE: not applicable
; TISSUE TYPE: not applicable
; CELL TYPE: not applicable
; CELL LINE: not applicable
; ORGANELLE: not applicable
; IMMEDIATE SOURCE: mycobacteriophage L5 particles
; POSITION IN GENOME: entire genome
; FEATURE:
; NAME/KEY:
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION:
; PUBLICATION INFORMATION:
; AUTHORS: Hatfull and Sarkis
; TITLE: DNA Sequence, Structure and Gene
; TITLE: Expression of Mycobacteriophage L5:
; TITLE: A Phage System for Mycobacterial
; TITLE: Genetics
; JOURNAL: Molecular Microbiology
; VOLUME: 7
; PAGES: 395-405
; DATE: 1993
; US-08-705-557-1
; APPLICANT: Barry R. Bloom
; APPLICANT: Graham F. Hatfull
; TITLE OF INVENTION: MYCOBACTERIAL SPECIES-SPECIFIC
; TITLE OF INVENTION: REPORTER MICOBACTERIOPHAGES
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amster, Rothstein & Ebenstein
; STREET: 90 Park Avenue
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10016
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch 1.44 Mb storage diskette
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Word Processor (ASCII)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/705,557
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/057,531
; FILING DATE:
; APPLICATION NUMBER: 07/833,431
; FILING DATE: February 7, 1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Pasqualini, Patricia A.
; REGISTRATION NUMBER: 34,894
; REFERENCE/DOCKET NUMBER: 96700/238
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 697-5995
; TELEFAX: (212) 286-0854 or 286-0082
; TELE: TWX 710-581-4766
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 52297
; TYPE: nucleotide
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE:
; DESCRIPTION: phage genome sequence
; HYPOTHETICAL: no
; ANTI-SENSE: no
; FRAGMENT TYPE: not applicable.
; ORIGINAL SOURCE:
; ORGANISM: mycobacteriophage L5
; STRAIN: not applicable
; INDIVIDUAL ISOLATE: L5
; DEVELOPMENTAL STAGE: not applicable
; HAPLOTYPE: not applicable
; TISSUE TYPE: not applicable
; CELL TYPE: not applicable
; CELL LINE: not applicable
; ORGANELLE: not applicable
; IMMEDIATE SOURCE: mycobacteriophage L5 particles
; POSITION IN GENOME: entire genome
; FEATURE:
; NAME/KEY:
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION:
; PUBLICATION INFORMATION:
; AUTHORS: Hatfull and Sarkis
; TITLE: DNA Sequence, Structure and Gene
; TITLE: Expression of Mycobacteriophage L5:
; TITLE: A Phage System for Mycobacterial
; TITLE: Genetics
; JOURNAL: Molecular Microbiology
; VOLUME: 7
; PAGES: 395-405
; DATE: 1993
; US-08-705-557-1
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Query Match 73.3%; Score 15.4; DB 4; Length 52297;  
 Best Local Similarity 94.1%; Pred. No. 90;  
 Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GTATCTGCATTGCGGC 20  
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 Db 22443 GTAGCTGCAATTCGCGC 22427

## RESULT 5

US-09-258-797-75  
 ; Sequence 75, Application US/09258797  
 ; Patent No. 6183967  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Jayasena, Sumedha  
 ; TITLE OF INVENTION: Nucleic Acid Ligand Inhibitors to DNA Polymerases  
 ; FILE REFERENCE: NEX 43C/PCT-CIP  
 ; CURRENT APPLICATION NUMBER: US/09/258,797  
 ; CURRENT FILING DATE: 1999-03-01  
 ; EARLIER APPLICATION NUMBER: 08/945,734  
 ; EARLIER FILING DATE: 1997-10-28  
 ; EARLIER APPLICATION NUMBER: 08/487,426  
 ; EARLIER FILING DATE: 1995-06-07  
 ; EARLIER APPLICATION NUMBER: 08/487,720  
 ; EARLIER FILING DATE: 1995-06-07  
 ; EARLIER APPLICATION NUMBER: 08/484,557  
 ; EARLIER FILING DATE: 1995-06-07  
 ; NUMBER OF SEQ ID NOS: 119  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 75  
 ; LENGTH: 97  
 ; TYPE: DNA  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 ; OTHER INFORMATION: Sequence  
 US-09-258-797-75

Query Match 72.4%; Score 15.2; DB 3; Length 97;  
 Best Local Similarity 85.0%; Pred. No. 38;  
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGTGATCTGCATTGCGGC 20  
 |||||  
 Db 7 CGTGAATCTGAATTCGCGC 26

## RESULT 6

PCT-US96-09451-75  
 ; Sequence 75, Application PC/TUS9609451  
 ; GENERAL INFORMATION:  
 ; APPLICANT: LARRY GOLD  
 ; APPLICANT: SUMEDHA JAYASENA  
 ; TITLE OF INVENTION: NUCLEIC ACID LIGAND INHIBITORS TO  
 ; TITLE OF INVENTION: DNA POLYMERASES  
 ; NUMBER OF SEQUENCES: 77  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Swanson and Bratschun, L.L.C.  
 ; STREET: 8400 East Prentice Ave., Suite 200  
 ; CITY: Denver  
 ; STATE: Colorado  
 ; COUNTRY: USA  
 ; ZIP: 80111  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette, 3.5 inch, 1.44 Mb  
 ; MEDIUM TYPE: storage  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: MS-DOS  
 ; SOFTWARE: WordPerfect 6.0  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: PCT/US96/09451

FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/487,426  
 FILING DATE: 7-JUNE-1995  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/487,720  
 FILING DATE: 7-JUNE-1995  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/484,557  
 FILING DATE: 7-JUNE-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Barry J. Swanson  
 REGISTRATION NUMBER: 33,215  
 REFERENCE/DOCKET NUMBER: NEX43C/PCT  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (303) 793-3333  
 TELEFAX: (303) 793-3433  
 INFORMATION FOR SEQ ID NO: 75:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 97 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: DNA  
 PCT-US96-09451-75

Query Match 72.4%; Score 15.2; DB 5; Length 97;  
 Best Local Similarity 85.0%; Pred. No. 38;  
 Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGTGATCTGCATTGCGGC 20  
 |||||  
 Db 7 CGTGAATCTGAATTCGCGC 26

## RESULT 7

US-08-729-214-23  
 ; Sequence 23, Application US/08729214  
 ; Patent No. 5817502  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ligon, James M.  
 ; APPLICANT: Hill, Dwight Steven  
 ; APPLICANT: Ryals, John Andrew  
 ; APPLICANT: Hammer, Phillip E.  
 ; APPLICANT: van Pee, Karl-Heinz  
 ; APPLICANT: Kirner, Sabine  
 ; TITLE OF INVENTION: Genes for the synthesis of  
 ; TITLE OF INVENTION: antipathogenic substances  
 ; NUMBER OF SEQUENCES: 27  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Ciba-Geigy Corporation  
 ; STREET: 520 White Plains Road  
 ; CITY: Tarrytown  
 ; STATE: NY  
 ; COUNTRY: USA  
 ; ZIP: 10591  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/729,214  
 ; FILING DATE: TEA  
 ; CLASSIFICATION: 435  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Meigs, J. Timothy  
 ; REGISTRATION NUMBER: 38,241  
 ; REFERENCE/DOCKET NUMBER: CGC 1506/CIP5  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 919-541-8587  
 ; TELEFAX: 919-541-8689

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; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6250 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 615..2228
; OTHER INFORMATION: /label= ORF1
; OTHER INFORMATION: /note= "Open Reading Frame #1 of DNA sequence"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2231..3313
; OTHER INFORMATION: /label= ORF2
; OTHER INFORMATION: /note= "Open Reading Frame #2 of DNA sequence"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 3368..5065
; OTHER INFORMATION: /label= ORF3
; OTHER INFORMATION: /note= "Open Reading Frame #3 of DNA sequence"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 5093..6202
; OTHER INFORMATION: /label= ORF4
; OTHER INFORMATION: /note= "Open Reading Frame #4 of DNA sequence"
;
US-08-729-214-23
Query Match 72.4%; Score 15.2; DB 1; Length 6250;
Best Local Similarity 85.0%; Pred. No. 79;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGGTATCTGCATTCGAGGC 20
DB 2249 CGGTATCGCATTCGAGGC 2268

RESULT 8
US-09-028-934-23
; Sequence 23, Application US/09028934
; Patent No. 6117670
; GENERAL INFORMATION:
; APPLICANT: Ligon, James M.
; APPLICANT: Hill, Dwight S.
; APPLICANT: Lam, Steven T.
; APPLICANT: Hammer, Philip E.
; APPLICANT: van Pee, Karl-Heinz
; APPLICANT: Kirner, Sabine
; APPLICANT: Young, Thomas R.
; TITLE OF INVENTION: Pyroclonitrin Biosynthesis Genes and Uses
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 6117670artis Corporation
; STREET: 3054 Cornwallis Road
; CITY: Research Triangle Park
; STATE: NC
; COUNTRY: USA
; ZIP: 27709
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/028,934
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/729,214
; FILING DATE: 09-OCT-1996

; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6250 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 615..2228
; OTHER INFORMATION: /label= ORF1
; OTHER INFORMATION: /note= "Open Reading Frame #1 of DNA sequence"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2231..3313
; OTHER INFORMATION: /label= ORF2
; OTHER INFORMATION: /note= "Open Reading Frame #2 of DNA sequence"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 3368..5065
; OTHER INFORMATION: /label= ORF3
; OTHER INFORMATION: /note= "Open Reading Frame #3 of DNA sequence"
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 5093..6202
; OTHER INFORMATION: /label= ORF4
; OTHER INFORMATION: /note= "Open Reading Frame #4 of DNA sequence"
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US-09-028-934-23
Query Match 72.4%; Score 15.2; DB 3; Length 6250;
Best Local Similarity 85.0%; Pred. No. 79;
Matches 17; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGGTATCTGCATTCGAGGC 20
DB 2249 CGGTATCGCATTCGAGGC 2268

RESULT 9
US-09-107-532A-2336
; Sequence 2336, Application US/09107532A
; Patent No. 6583275
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
; ENTEROCOCCUS FARCIUM FOR DIAGNOSTICS AND THERAPEUTICS
; NUMBER OF SEQUENCES: 7310
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: PC
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: ASCII
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,532A
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/085,598
; FILING DATE: 14 May 1998
; APPLICATION NUMBER: 60/051571
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FILING DATE: July 2, 1997  
ATTORNEY/AGENT INFORMATION:  
NAME: Ariniello, Pamela Deneke  
REGISTRATION NUMBER: 40,489  
REFERENCE/DOCKET NUMBER: GTC-012  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (781)993-5007  
TELEFAX: (781)993-8277  
INFORMATION FOR SEQ ID NO: 2336:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 282 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: circular  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Enterococcus faecium  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (B) LOCATION 1..282  
SEQUENCE DESCRIPTION: SEQ ID NO: 2336:  
US-09-107-532A-2336

Query Match 70.5%; Score 14.8; DB 4; Length 282;  
Best Local Similarity 88.9%; Pred. No. 76;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGTGATCTGCATTCGAG 18  
DB 205 CCGTGTCTGATTCGAG 222

RESULT 10  
US-08-792-055-1  
Sequence 1, Application US/08792055  
Patent No. 5853980  
GENERAL INFORMATION:  
APPLICANT: Rollin, Pierre E.  
APPLICANT: Elliott, Luane G.  
APPLICANT: Ksiazek, Thomas G.  
APPLICANT: Nichol, Stuart T.  
APPLICANT: Morzunov, Sergey  
APPLICANT: Ravkov, Eugeny  
TITLE OF INVENTION: The Black Creek Canal Hantavirus and  
NUMBER OF SEQUENCES: 7  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: NEEDLE & ROSENBERG, P.C.  
STREET: 127 Peachtree Street, N.E., Suite 1200  
CITY: Atlanta  
STATE: Georgia  
COUNTRY: USA  
ZIP: 30303  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/792,055  
FILING DATE: 03-FEB-1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/390,361  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Spratt, Gwendolyn D.  
REGISTRATION NUMBER: 36,016  
REFERENCE/DOCKET NUMBER: 1414.622  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (404) 688-0770

TELEFAX: (404) 688-9880  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1989 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-08-792-055-1

Query Match 70.5%; Score 14.8; DB 2; Length 1989;  
Best Local Similarity 88.9%; Pred. No. 1.1e+02;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 TGTATCTGCATTCGAGGC 20  
DB 192 TGTGTCTGCATTCGAGGC 209

RESULT 11  
US-09-116-032-1/c  
Sequence 1, Application US/09116032  
Patent No. 6200576  
GENERAL INFORMATION:  
APPLICANT: HWONG, CHING LONG  
APPLICANT: LO, CHENG-KAI  
APPLICANT: YANG, YING-CHUAN  
APPLICANT: JENG, KING-SONG  
APPLICANT: CHANG, EDWARD L.  
APPLICANT: DEVELOPMENT CENTER FOR BIOTECHNOLOGY  
TITLE OF INVENTION: SWINE VESICULAR DISEASE VIRUS AND MUTANT STRAINS AND  
TITLE OF INVENTION: PREPARATION PROCESS AND USE THEREOF  
FILE REFERENCE: 9751.79US01  
CURRENT APPLICATION NUMBER: US/09/116,032  
CURRENT FILING DATE: 1998-07-15  
EARLIER APPLICATION NUMBER: CHINA 86105814  
EARLIER FILING DATE: 1997-05-01  
NUMBER OF SEQ ID NOS: 39  
SOFTWARE: Patent In Ver. 2.0  
SEQ ID NO 1  
LENGTH: 7400  
TYPE: DNA  
ORGANISM: SWINE VESICULAR DISEASE VIRUS  
US-09-116-032-1

Query Match 70.5%; Score 14.8; DB 3; Length 7400;  
Best Local Similarity 88.9%; Pred. No. 1.4e+02;  
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 4 GTATCTGCATTCGAGGC 21  
DB 2993 GTATCGACATTCGAGGC 2976

RESULT 12  
US-09-491-362-11/c  
Sequence 11, Application US/09491362  
Patent No. 6281017  
GENERAL INFORMATION:  
APPLICANT: Croteau, Rodney B  
APPLICANT: Lange, Bernd M  
TITLE OF INVENTION: 1-DEOXY-D-XYLULOSE-5-PHOSPHATE REDUCTOISOMERASE, AND  
TITLE OF INVENTION: METHODS OF USE  
FILE REFERENCE: WSUR14977  
CURRENT APPLICATION NUMBER: US/09/491,362  
CURRENT FILING DATE: 2000-01-26  
EARLIER APPLICATION NUMBER: 60/118,349  
EARLIER FILING DATE: 1999-02-03  
NUMBER OF SEQ ID NOS: 13  
SOFTWARE: Patent In Ver. 2.0  
SEQ ID NO 11  
LENGTH: 8050  
TYPE: DNA

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; ORGANISM: Arabidopsis thaliana
US-09-491-362-11

Query Match      70.5%; Score 14.8; DB 3; Length 8050;
Best Local Similarity 88.9%; Pred. No. 1.4e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      2 GTGATCTGCATTCGAGG 19
Db      6843 GTGTAATTCATTCGAGG 6826

RESULT 13
US-09-874-562-11/c
; Sequence 11, Application US/09874562
; Patent No. 6420159
; GENERAL INFORMATION:
; APPLICANT: Croteau, Rodney B
; APPLICANT: Lange, Bernd M
; TITLE OF INVENTION: 1-DEOXY-D-XYLULOSE-5-PHOSPHATE REDUCTOISOMERASE, AND
; FILE REFERENCE: WSU17549
; CURRENT APPLICATION NUMBER: US/09/874,562
; CURRENT FILING DATE: 2001-06-04
; PRIOR APPLICATION NUMBER: 09/491,362
; PRIOR FILING DATE: 2000-01-26
; PRIOR APPLICATION NUMBER: 60/118,349
; PRIOR FILING DATE: 1999-02-03
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 8050
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-874-562-11

Query Match      70.5%; Score 14.8; DB 4; Length 8050;
Best Local Similarity 88.9%; Pred. No. 1.4e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      2 GTGATCTGCATTCGAGG 19
Db      6843 GTGTAATTCATTCGAGG 6826

RESULT 14
US-09-214-808-1/c
; Sequence 1, Application US/09214808A
; Patent No. 6475793
; GENERAL INFORMATION:
; APPLICANT: Rosenthal, Andre
; APPLICANT: Freiberg, Christoph
; APPLICANT: Perret, Xavier Philippe
; APPLICANT: Broughton, William John
; TITLE OF INVENTION: Genomic Sequence of Rhizobium SP. NGR 234 Symbiotic
; Patent No. 6475793
; TITLE OF INVENTION: Plasmid
; FILE REFERENCE: CARP0068
; CURRENT APPLICATION NUMBER: US/09/214,808A
; CURRENT FILING DATE: 1999-06-22
; PRIOR APPLICATION NUMBER: PCT/IB97/00950
; PRIOR FILING DATE: 1997-07-10
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 536165
; TYPE: DNA
; ORGANISM: Rhizobium
US-09-214-808-1

Query Match      70.5%; Score 14.8; DB 4; Length 536165;
Best Local Similarity 88.9%; Pred. No. 2.5e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

; ORGANISM: Arabidopsis thaliana
US-09-491-362-11

Query Match      70.5%; Score 14.8; DB 3; Length 8050;
Best Local Similarity 88.9%; Pred. No. 1.4e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      4 GTATCTGCATTCGAGG 21
Db      403580 GCATCTGCATTCGAGG 403563

RESULT 15
US-09-103-840A-2
; Sequence 2, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 4403765
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; FEATURE:
; OTHER INFORMATION: CDC 1551
; OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match      70.5%; Score 14.8; DB 3; Length 4403765;
Best Local Similarity 88.9%; Pred. No. 1.2e+02;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY      3 TGTATCTGCATTCGAGG 20
Db      1463654 TCTAICTGCATTCGCGG 1463671

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Job time : 57.5115 secs
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OM nucleic - nucleic search, using sw model

Run on: September 16, 2004, 15:53:12 ; Search time 187.076 Seconds  
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566.594 Million cell updates/sec

Title: US-09-477-082-34

Perfect score: 21

Sequence: 1 cgtgtatctgattcgaggcg 21

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Searched: 3327077 seqs, 2523723180 residues

Total number of hits satisfying chosen parameters: 6654154

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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Published Applications NA:\*

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- 3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:\*
- 4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq:\*
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- 16: /cgn2\_6/ptodata/2/pubpna/US10C\_PUBCOMB.seq:\*
- 17: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq:\*
- 18: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:\*
- 19: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Length	ID	Description
C 1	16.4	78.1	637	13 US-10-027-632-242218
C 2	16.4	78.1	637	16 US-10-027-632-242218
C 3	16.4	78.1	710	13 US-10-027-632-11465
C 4	16.4	78.1	710	13 US-10-027-632-144092
C 5	16.4	78.1	710	16 US-10-027-632-11465
C 6	16.4	78.1	710	16 US-10-027-632-144092
C 7	16.2	77.1	1296	16 US-10-369-493-32260
C 8	16.2	77.1	1402	13 US-10-425-114-13447
C 9	16.2	77.1	2284	15 US-10-335-687A-15
C 10	15.8	75.2	25	15 US-10-098-2639-4315
C 11	15.8	75.2	540	17 US-10-437-963-55853
C 12	15.8	75.2	1360	16 US-10-062-674-1535
C 13	15.8	75.2	1413	16 US-10-369-493-25104
C 14	15.8	75.2	7396	10 US-09-738-630-52

Query Match 78.1%; Score 16.4; DB 13; Length 637;  
Best Local Similarity 94.4%; Pred. No. 1.9e+02;  
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

#### ALIGNMENTS

##### RESULT 1

US-10-027-632-242218/c  
; Sequence 242218, Application US/10027632  
; Publication No. US20020198371A1  
; GENERAL INFORMATION:  
; APPLICANT: Waig, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; FILE REFERENCE: 108827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; CURRENT FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/185,218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167,363  
; PRIOR FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: US 60/156,358  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/146,002  
; NUMBER OF SEQ ID NOS: 325720  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 242218  
; LENGTH: 637  
; TYPE: DNA  
; ORGANISM: Human  
US-10-027-632-242218

Sequence 52, Appl  
Sequence 596, App  
Sequence 25900, A  
Sequence 135233,  
Sequence 135233,  
Sequence 2066, Ap  
Sequence 9385, Ap  
Sequence 114171,  
Sequence 12087, A  
Sequence 12087, A  
Sequence 14331, A  
Sequence 585, App  
Sequence 280, App  
Sequence 804, App  
Sequence 17043, A  
Sequence 65362, A  
Sequence 64185, A  
Sequence 13831, A  
Sequence 89411, A  
Sequence 41292, A  
Sequence 34290, A  
Sequence 42246, A  
Sequence 31485, A  
Sequence 96, Appl  
Sequence 77630, A  
Sequence 538, App  
Sequence 7, Appl  
Sequence 721, App  
Sequence 174961,  
Sequence 174961,  
Sequence 174961,

15 15.8 75.2 337022 17 US-10-322-696-52  
16 15.4 73.3 506 15 US-10-029-386-596  
17 15.4 73.3 529 9 US-09-864-761-25900  
18 15.4 73.3 536 13 US-10-027-632-135233  
19 15.4 73.3 536 16 US-10-027-632-135233  
20 15.4 73.3 570 15 US-10-029-386-2066  
21 15.4 73.3 588 9 US-09-864-761-9386  
22 15.4 73.3 647 13 US-10-424-599-114171  
23 15.4 73.3 757 13 US-10-027-632-12087  
24 15.4 73.3 757 16 US-10-027-632-12087  
25 15.4 73.3 1909 13 US-10-425-114-14331  
26 15.4 73.3 2512 13 US-09-823-245A-585  
27 15.4 73.3 26632 17 US-10-322-281-280  
28 15.2 72.4 529 17 US-10-021-323-804  
29 15.2 72.4 543 17 US-10-767-701-17043  
30 15.2 72.4 556 13 US-10-424-599-65362  
31 15.2 72.4 595 13 US-10-424-599-64185  
32 15.2 72.4 714 13 US-10-282-122A-13831  
33 15.2 72.4 1110 13 US-10-424-599-89411  
34 15.2 72.4 1212 13 US-10-282-122A-41292  
35 15.2 72.4 1331 13 US-10-425-114-34290  
36 15.2 72.4 1434 13 US-10-282-122A-42246  
37 15.2 72.4 1518 13 US-10-282-122A-31485  
38 15.2 72.4 2640 9 US-09-842-552-96  
39 15.2 72.4 4280 17 US-10-437-963-77630  
40 15.2 72.4 39522 13 US-10-087-132-538  
41 15.2 72.4 55996 12 US-09-997-722-7  
42 15.2 72.4 153985 17 US-10-322-281-721  
43 15.2 72.4 3186778 13 US-10-027-632-174961  
44 15.2 72.4 3186778 13 US-10-027-632-174961  
45 15.2 72.4 3186778 16 US-10-027-632-174961

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QY 1 CGTGATCTGCATTGAG 18
Db 201 CGTGATCTGCATTGAG 184

RESULT 2
US-10-027-632-242218/c
; Sequence 242218, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 242218
; LENGTH: 637
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-242218

Query Match 78.1%; Score 16.4; DB 16; Length 637;
Best Local Similarity 94.4%; Pred. No. 1.9e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 CGTGATCTGCATTGAG 18
Db 201 CGTGATCTGCATTGAG 184

RESULT 3
US-10-027-632-11465/c
; Sequence 11465, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11465
; LENGTH: 710
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-11465/c

Query Match 78.1%; Score 16.4; DB 13; Length 710;
Best Local Similarity 94.4%; Pred. No. 1.9e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 TGTATCTGCATTGAGGC 20
Db 284 TGTATCTGCATTGAGGC 267

RESULT 4
US-10-027-632-144092/c
; Sequence 144092, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 144092
; LENGTH: 710
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-144092

Query Match 78.1%; Score 16.4; DB 13; Length 710;
Best Local Similarity 94.4%; Pred. No. 1.9e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 3 TGTATCTGCATTGAGGC 20
Db 284 TGTATCTGCATTGAGGC 267

RESULT 5
US-10-027-632-11465/c
; Sequence 11465, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11465
; LENGTH: 710
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-11465/c

Query Match 78.1%; Score 16.4; DB 13; Length 710;
Best Local Similarity 94.4%; Pred. No. 1.9e+02;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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; CURRENT APPLICATION NUMBER: US/10/335,687A  
; CURRENT FILING DATE: 2003-01-02  
; PRIOR APPLICATION NUMBER: 60/345,773  
; PRIOR FILING DATE: 2002-01-02  
; NUMBER OF SEQ ID NOS: 20  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 15  
; LENGTH: 2284  
; TYPE: DNA  
; ORGANISM: Mus musculus  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (2)...(1699)  
US-10-335-687A-15

Query Match 77.1%; Score 16.2; DB 15; Length 2284;  
Best Local Similarity 85.7%; Pred. No. 2.7e+02;  
Matches 18; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 CGTGTATCTGCATTCGAGG 21  
|||  
Db 3 CGTGTATCTGCATTCGAGG 23

## RESULT 10

US-10-098-263B-4315/c  
; Sequence 4315, Application US/10098263B  
; Publication No. US20030104410A1  
; GENERAL INFORMATION:  
; APPLICANT: Mittman, Michael  
; TITLE OF INVENTION: Human Microarray  
; FILE REFERENCE: 3118.1  
; CURRENT APPLICATION NUMBER: US/10/098,263B  
; CURRENT FILING DATE: 2003-01-08  
; PRIOR APPLICATION NUMBER: 60/276,759  
; PRIOR FILING DATE: 2001-03-16  
; NUMBER OF SEQ ID NOS: 131066  
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1  
; SEQ ID NO 4315  
; LENGTH: 25  
; TYPE: DNA  
; ORGANISM: Homo sapien  
US-10-098-263B-4315

Query Match 75.2%; Score 15.8; DB 15; Length 25;  
Best Local Similarity 89.5%; Pred. No. 3.1e+02;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGTGTATCTGCATTCGAGG 19  
|||  
Db 22 CGTGTATCTGCATTCGAGG 4

## RESULT 11

US-10-437-963-55853  
; Sequence 55853, Application US/10437963  
; Publication No. US20040123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Boukharov, Andrey A.  
; APPLICANT: Barbazuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated with  
; FILE REFERENCE: 38-21(S3221)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; CURRENT FILING DATE: 2003-05-14  
; NUMBER OF SEQ ID NOS: 204966  
; SEQ ID NO 55853

; LENGTH: 540  
; TYPE: DNA  
; ORGANISM: Oryza sativa  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_57820C.1  
US-10-437-963-55853

Query Match 75.2%; Score 15.8; DB 17; Length 540;  
Best Local Similarity 89.5%; Pred. No. 3.9e+02;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 CGTGTATCTGCATTCGAGG 19  
|||  
Db 49 CATGGATCTGCATTCGAGG 67

## RESULT 12

US-10-062-674-1535  
; Sequence 1535, Application US/10062674  
; Publication No. US20040005559A1  
; GENERAL INFORMATION:  
; APPLICANT: Loring, Jeanne F.; Kaser, Matthew R.  
; TITLE OF INVENTION: MARKERS OF NEURONAL DIFFERENTIATION AND MORPHOGENESIS  
; FILE REFERENCE: PA-0026-1 CIP  
; CURRENT APPLICATION NUMBER: US/10/062,674  
; CURRENT FILING DATE: 2002-01-30  
; PRIOR APPLICATION NUMBER: US 09/625,102  
; PRIOR FILING DATE: 2000-07-24  
; NUMBER OF SEQ ID NOS: 2217  
; SOFTWARE: PERL Program  
; SEQ ID NO 1535  
; LENGTH: 1360  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Incyte ID No. US20040005559A1 118726.1  
US-10-062-674-1535

Query Match 75.2%; Score 15.8; DB 16; Length 1360;  
Best Local Similarity 89.5%; Pred. No. 4.1e+02;  
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 GTGTATCTGCATTCGAGG 20  
|||  
Db 105 GTGTATCTGCATTCGAGG 123

## RESULT 13

US-10-369-493-25104/c  
; Sequence 25104, Application US/10369493  
; Publication No. US20030233675A1  
; GENERAL INFORMATION:  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Hinkle, Gregory J.  
; APPLICANT: Slater, Steven C.  
; APPLICANT: Goldman, Barry S.  
; APPLICANT: Chen, Xianfeng  
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF  
; FILE REFERENCE: 38-10(52052)B  
; CURRENT APPLICATION NUMBER: US/10/369,493  
; CURRENT FILING DATE: 2003-02-28  
; PRIOR APPLICATION NUMBER: US 60/360,039  
; PRIOR FILING DATE: 2002-02-21  
; NUMBER OF SEQ ID NOS: 47374  
; SEQ ID NO 25104  
; LENGTH: 4143  
; TYPE: DNA  
; ORGANISM: Saccharomyces cerevisiae  
US-10-369-493-25104

Query Match 75.2%; Score 15.8; DB 16; Length 4143;

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Best Local Similarity 89.5%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 3 TGTATCTGCATTCGAGCG 21
   |||||
Db 2712 TGTATCTGTATTAGAGCG 2694

RESULT 14
US-09-738-630-52
; Sequence 52, Application US/09738630
; Publication No. US20030168213A1
; GENERAL INFORMATION:
; APPLICANT: Greenspan, Ralph J.
; APPLICANT: Shaw, Paul J.
; TITLE OF INVENTION: Methods For Identifying Compounds That
; TITLE OF INVENTION: Modulate Disorders Related To Nitric Oxide/cGMP-Dependent
; TITLE OF INVENTION: Protein Kinase Signaling
; FILE REFERENCE: P-NI 3906
; CURRENT APPLICATION NUMBER: US/09/738,630
; CURRENT FILING DATE: 2000-12-15
; NUMBER OF SEQ ID NOS: 105
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 52
; LENGTH: 7396
; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-738-630-52

Query Match 75.2%; Score 15.8; DB 10; Length 7396;
Best Local Similarity 89.5%; Pred. No. 4.7e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 3 TGTATCTGCATTCGAGCG 21
   |||||
Db 1292 TGTAGCTGCATTCGAAGCG 1310

RESULT 15
US-10-322-696-52
; Sequence 52, Application US/10322696
; Publication No. US20040166490A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Malandro, Marc
; TITLE OF INVENTION: NOVEL THERAPEUTIC TARGETS IN CANCER
; FILE REFERENCE: 529452001200
; CURRENT APPLICATION NUMBER: US/10/322,696
; CURRENT FILING DATE: 2003-10-17
; NUMBER OF SEQ ID NOS: 186
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 52
; LENGTH: 337022
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(337022)
; OTHER INFORMATION: n = A,T,C or G
US-10-322-696-52

Query Match 75.2%; Score 15.8; DB 17; Length 337022;
Best Local Similarity 89.5%; Pred. No. 6.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 GTGTATCTGCATTCGAGCG 20
   |||||
Db 99903 GTGTATCTGCATTCGAGCG 99921

Search completed: September 16, 2004, 20:54:14
Job time : 198.076 secs
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